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Drinking and Driving in Ontario

Statistical Yearbook

December 1988

Drinking/Driving Countermeasures Office
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INTRODUCTION

The “three **E’s**” of road safety — **E**nforcement, **E**ducation, and **E**ngineering — remain the foundation of efforts to reduce impaired driving. But to deal even more effectively with the problem of drinking and driving, we might add several “**C’s**”: **C**ommunication, **C**ooperation, and **C**oordination. In fact, among the aims of the Drinking/Driving Countermeasures Office are:

- o to foster communication among the many diverse agencies and groups active in this field;
- o to assist in the coordination of efforts at federal, provincial, and local levels;
- o to promote greater cooperation among organizations and individuals taking action to prevent impaired driving.

This, our second annual Statistical Yearbook on Drinking and Driving, is one way we strive to keep you informed about the problem itself: the magnitude, characteristics, and trends in impaired-driving problems.

A Brief Backward Glance

Earlier this decade, organizations like People to Reduce Impaired Driving Everywhere (PRIDE) sparked a resurgence of efforts to combat drinking and driving in Ontario. Similar groups accomplished this feat in other provinces and most of the United States. Governments responded with new, tougher laws; stricter enforcement; and stiffer penalties for offenders. Along with this traditional approach, however, came a long-term commitment and a willingness to support *community-based* initiatives.

Perhaps most remarkable is the degree to which the overall effort in Ontario has been **sustained**. After all, impaired driving is just one of many chronic problems demanding attention and a portion of limited funds to address them. Yet we as a society devote at least one month of every year (December) to preventing impaired driving. Even more encouraging, drinking/driving countermeasures

now take place in every season: enforcement “blitzes”, information and awareness campaigns, educational programs, and a host of local initiatives.

One expert described the history of efforts to reduce impaired driving as “cycles of concern and complacency”. Canada has been no exception. But this latest period of concern has lasted an unprecedented **five years** and shows few signs of waning. The continued strength of Ontario’s response to the problem of drinking and driving allows us the luxury of reflecting on progress to date. And, fortunately, we can measure progress, not only by the diversity and intensity of actions taken, but also by the frequency and severity of impaired-driving problems.

Drinking/Driving Statistics: Pitfalls and Possibilities

As a province long active in the fight against impaired driving, Ontario has many sources of information on drinking and driving. A wealth of data offers insights into the magnitude of this problem and the characteristics of those who drive after drinking. Given the quality of data available, we can monitor impaired driving over time and thus describe trends in alcohol-related crashes. Taken as a whole, this information supports:

- o **research** — for a better understanding of the problem;
- o **evaluation** — to assess the impact of programs and to guide their further development;
- o **strategic planning** — to determine where best to go from here; and
- o **policy** — to inform difficult choices concerning new laws and programs (and the funds required for them!).

Emphasis on “numbers” of deaths and injuries due to impaired driving does have drawbacks. For example, we can easily lose touch with *human* dimensions of the problem: the suffering of those victimized by impaired drivers; the grief of families and friends suddenly deprived of loved ones; the sharply reduced quality of life faced by so many — including offenders. We should remember that those who are direct victims of impaired drivers have little need for statistics to appreciate the damage done by impaired driving.

At the same time, statistics on impaired driving are a “window” through which we view part of the reality of drinking and driving. Compiling data on impaired driving is like gathering military intelligence: Because no single battle will decide the “war against impaired driving”, and because we wish to achieve the greatest impact possible, we have periodic need for **information**, for example, to reassess our strategies and tactics and to direct our efforts more effectively. In this way, however cold-hearted they seem, statistics on drinking and driving serve us well.

Why a “Statistical” Yearbook?

One aim of the Drinking/Driving Countermeasures Office is to provide *useful* information to people concerned about drinking and driving, particularly those active in communities across Ontario. In keeping with this aim, the main purpose of our second annual report is to give ready access to data descriptive of impaired-driving problems. Once again we focus on the drinking-driving experience in each of Ontario’s counties and regional municipalities. We also include a brief review of the larger picture of drinking and driving in Ontario.

Based on discussions with community leaders, we realize that a great many people believe that “impaired driving is **not** a problem **here**”. This belief leads to apathy and erodes community support for local initiatives. A quick look through Appendix B, *Drinking and Driving in Ontario’s Counties and Regional Municipalities*, should convince even the most skeptical that **no** community in Ontario is free of impaired driving — and **no** jurisdiction has yet solved the drinking/driving problem!

At the same time, we recognize a risk in publishing these statistics: Numbers of drinking drivers involved in traffic crashes may seem “insignificant” in some areas, especially in counties with lesser populations. We have to guard against the complacency induced by “small” numbers. Those “few” injury crashes caused by impaired drivers in a community can do irreparable harm to many residents: to the victims **and** to their families, friends, and employers. Of course, when we add up the toll of deaths, injuries, and property damage for Ontario as a whole, the problem of drinking and driving appears as it is — a very large, *intolerable* burden of loss and waste.

Thankfully, in many communities, crashes caused by impaired drivers are rare events. At a provincial level, impaired driving is definitely a **problem**; for most of us as individuals, the problem is more a “statistical nightmare” than a personal or local reality. In this context, we often hear the statement that “if only one life is saved, then any and all efforts will be worthwhile”. But, when many perceive the problem as small (or even nonexistent), it is hard indeed to persuade people to invest the time and energy required to prevent impaired driving.

We who **are** concerned must fully appreciate that these “rare events” occur all too often and, inevitably, involve people who thought “it can’t happen to me”. As we reported in last year’s Statistical Yearbook, on average, one in five drivers using Ontario’s roads on weekend nights will have consumed alcohol. Based on the same roadside survey, **one of sixteen drivers will be driving while impaired**. Although some statistics on drinking and driving seem to “play down” actual risk, careful use of *all* information on impaired-driving problems will help us convince others that impaired driving is *everyone’s* problem.

The Problem Begins, and Ends, With Actions By Individuals

The problem of drinking and driving begins with individuals who choose not to separate drinking from driving (or driving from drinking). We use the word *choose* advisedly. For example, the demonstrable success of campaigns during year-end holiday seasons suggests that many drinking drivers are well aware that they risk arrest, if not death and injury. Reductions in impaired-driver fatalities alone show that, literally, **millions of impaired-driving trips were not taken during those winter months!**

The problem of impaired driving begins with individuals — and we as individuals hold the key to its many solutions. To complement measures to deter people from driving while impaired, we ourselves can take action — alone or with others. By not driving after drinking any alcoholic beverage; by ensuring that no guest drives home after drinking at parties; by participating in efforts to increase awareness of drinking-driving problems in our own communities, we make a difference.

Scope of This Report

Again this year, the Statistical Yearbook contains evidence that we have *already* made a difference. In general, downward trends in the magnitude of the problem continue. Nevertheless, some statistics we report fall into the category of “good news, bad news” and are **not** cause for celebration. For example, the *percentage* of drinking-drivers involved in crashes may have decreased, but the *magnitude* of the alcohol-crash problem may have increased during 1987.

Although this report’s *raison d’etre* is, very simply, to publish statistics on drinking and driving, we have expanded the section devoted to **analysis** of these data. Given years of sustained action against impaired driving in Ontario, we think it timely, if only in passing, to assess the extent of progress to date. Our intent is to shed some light on — and to minimize the confusion of — pages filled with numbers. Even more importantly, though, we want to document what many of us already know: **Together, we have made progress in reducing impaired driving throughout Ontario — and we still have much to do before we claim final victory in the “war against impaired driving”.**



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DRINKING AND DRIVING, ONTARIO 1987

HIGHLIGHTS FROM THE STATISTICAL YEARBOOK

Alcohol Use Among Drivers Involved in Traffic Crashes

*** During 1987, police reported that **18,737 drinking drivers** were involved in traffic crashes. Of these drinking drivers, 11,089 (59%) were reported to have been drinking; 7,648 (41%) were judged by police to have their ability to drive impaired by alcohol.

*** Of 7,648 crash-involved drivers judged **impaired** by alcohol, 287 (4%) were involved in fatal crashes; 4,076 (53%) in injury crashes; and 3,285 (43%) in property-damage crashes.

*** The more serious a traffic crash, the more likely a drinking driver was involved. In 1987, about 4% of drivers involved in *property-damage* crashes and 7% of drivers involved in *injury* crashes were reported to have consumed alcohol; one in four (26%) drivers involved in *fatal* crashes had been drinking or was impaired.

*** Among drivers *fatally injured* in traffic crashes and tested for alcohol, 40% (244/606) had a blood alcohol concentration (BAC) over 80 mg%, the limit specified in the Criminal Code of Canada. In fact, 84% (244/289) of *drinking* drivers killed in traffic crashes had illegal BACs.

*** Fatally injured drivers of automobiles were less likely to have BACs over 80 mg% than operators of trucks and vans or motorcycles. In 1987, 37% (139/377) of automobile driver fatalities had illegal BACs compared to 44% (43/98) of operators of trucks or vans and 56% (38/68) of motorcyclists. None of eight tractor-trailer driver fatalities tested for alcohol had been drinking.

Characteristics of Drivers in Traffic Crashes: Gender and Age

As in previous years, most crash-involved drinking drivers were **male** and **young**.

*** Of 18,737 drinking drivers in crashes of any severity, 16,586 (89%) were male.

*** The percentage of male impaired drivers in **injury** crashes was 90% (3680/4076).

*** Of 287 impaired drivers involved in **fatal** crashes, 259 (90%) were male.

*** When crash-involved drinking drivers are grouped by age, we find that **25-34 year-olds** accounted for the largest percentage of drivers judged **impaired** by alcohol: 36% (2772/7648) in 1987. They were followed by 16-24 year-olds (31%, 2226/7648) and 35-44 year-olds (18%, 1380/7648.).

*** Among drivers reported by police as *had been drinking*, **16-24 year-olds** were most numerous: 42% (4607/11089). Next were 25-34 year-olds (34%, 3726/11089) and 35-44 year-olds (14%, 1504/11089).

*** Compared to numbers of persons *licensed to drive*, **16-24** and **25-34** year-olds were **overrepresented** among crash-involved drinking drivers. For example, the percentage of 16-24 year-olds among crash-involved drinking drivers (37%) was **more than twice** their percentage in the licensed population (16%).

Hour, Day, and Month of Crashes Involving Drinking Drivers

Drinking drivers crash at all hours, any day of the week, every month of the year — *but more often during some times than others*.

*** In 1987, 70% (5933/8339) of drinking drivers were involved in crashes in a nine-hour period: between the hours of 6 p.m. and 3 a.m.

*** Over 60% of drinking drivers reported by police had traffic crashes on Friday, Saturday, or Sunday.

*** Numbers of crash-involved drinking drivers are usually greater in summer months than in winter months. Of interest, **seasonal differences did not seem so pronounced in 1987**. In 1987, police reported 2,192 *drinking or impaired* drivers during June, July, and August, 1,910 in January, February, and December. The number of drinking drivers involved in crashes averaged **752 per month** for seven months, from May through November. Monthly numbers of crash-involved drinking drivers ranged from 692 in June to 831 — **in October!**

Ontario Counties and Regional Municipalities

*** Not surprisingly, the greater the population of a county or regional municipality, the greater the number of drivers involved in traffic crashes. Thus, **numbers** of normal and drinking drivers involved in crashes **increase** with increasing population. During 1987, the number of drinking drivers in crashes ranged from 48 (Manitoulin) to 3,985 (Metropolitan Toronto and York Region combined).

*** In general, **percentages** of drivers reported by police to have consumed alcohol (*had been drinking, ability impaired*) **decrease** with increasing population. For example, the regional municipality of Ottawa-Carleton had the second largest population (618,000) and the lowest percentage of drinking drivers among crash-involved drivers (3.7%). The county of Manitoulin had the smallest population (10,400) and the highest percentage of crash-involved drinking drivers (16.6%).

*** During 1987 in Ontario, the average number of crash-involved *drinking* drivers per 1,000 population was **2.0**. Rates varied by county and regional municipality, ranging from 1.5 drinking drivers per 1,000 population in Ottawa-Carleton to 5.0 drinking drivers per 1,000 population in Haliburton.

*** For comparison, during 1987 in Ontario, the average number of crash-involved *normal* drivers per 1,000 population was **34.2**. Rates of crash-involved drivers reported as normal also varied by jurisdiction. Rates ranged from 18.6

normal drivers per 1,000 population in Prince Edward to 39.5 normal drivers per 1,000 population in Metropolitan Toronto and York Region.

Trends in Drinking and Driving

*** Since 1980 in Ontario, the annual number of crash-involved drinking drivers has dropped substantially. In 1980, police reported 30,101 drivers as *had been drinking or impaired*. Police reported **38% fewer** drinking drivers in 1987 (18,737). In contrast, the number of crash-involved drivers reported as normal **increased 12%**: from 283,005 in 1980 to 317,323 in 1987.

*** From 1980 to 1987, the population of Ontario grew by 8% (from 8.57 to 9.27 million) and the number of people licensed to drive in Ontario increased 20% (from 4.99 to 5.98 million). **Despite these increases, numbers of crash-involved drinking drivers decreased.** As a result, *rates* of crash-involved drinking drivers *per 1,000 population* and *per 1,000 licensed drivers* fell by **42%** and **46%**, respectively.

*** Among crash-involved drivers reported by police as *normal, had been drinking, or impaired*, the percentage of drinking or impaired drivers has dropped steadily, from **9.6% in 1980** to an eight-year low of **5.6% in 1987**.

*** Only persons *fatally injured* in traffic crashes are *routinely* tested for alcohol use. Among those most frequently tested are automobile drivers who are 16 years of age or older and who die within 6 hours of crash involvement. From 1973 through 1982 in Ontario, yearly numbers of drivers in this group went from 604 to 384, **a decrease of 36%**. Remarkably, the percentage of these drivers with BACs over 80 mg% changed little during these ten years, ranging only from 43.5% (in 1977) to 51.6% (in 1979). *From 1983 through 1986, however, the percentage of drivers with illegal BACs also had a consistent — but lower range — from 39.0% to 41.1%.* In 1987, the percentage of automobile driver fatalities with BACs over 80 mg% dropped even further, to 36.6% — **the lowest figure reported since these data became available in Ontario.**

STATISTICS ON DRINKING AND DRIVING: 1987 IN REVIEW

For any given year, most statistics on drinking and driving become available eight to twelve months later. This “delay” is the time it takes thousands of people not only to prepare and compile **several hundred thousand** reports on traffic crashes, but also to code, computerize, and process data on persons and vehicles involved. And traffic-crash statistics comprise only *some* of the information on drinking and driving generated through the year. For example, there are criminal justice statistics — the number of people charged, convicted, and punished for impaired-driving offences — and reports by coroners on alcohol use among persons fatally injured in traffic crashes. In fact, collecting and summarizing a reasonably complete set of statistics on drinking and driving is a major undertaking.

Sources of Statistics

In putting together this report, we obtained statistics from a number of sources. Again this year, we received detailed data on drivers involved in traffic crashes from Ontario’s Ministry of Transportation. These data come from Motor Vehicle Accident Reports completed by investigating police officers. Because we focus mainly on **drinking drivers** involved in traffic crashes, these statistics complement those published each year by the Ministry of Transportation (see the Ontario Road Safety Annual Report, available from the Safety Co-ordination and Development Office of the Ministry).

This year we also present statistics from the Fatality Database developed and maintained by the Traffic Injury Research Foundation of Canada (TIRF). Based on reports by coroners, the Fatality Database contains information on the presence *and amount* of alcohol consumed by persons fatally injured in traffic crashes. In addition, we summarize data recently published by the Canadian Centre for Justice Statistics (CCJS). These data include the number of persons charged with impaired-driving offences in Ontario and selected cities.

(Interested readers can obtain more detailed information from each these

sources, TIRF and the CCJS — see the list of references at the end of this report.)

Finally, we used comparable data from past years to describe **trends** in drinking and driving. Our first Statistical Yearbook provided a starting point for this task. Data on driver fatalities in Ontario from 1973 through 1987 came from TIRF's Fatality Database; detailed information on persons charged with impaired-driving offences in Ontario was provided by the Canadian Centre for Justice Statistics.

Drinking/Driving Statistics: Definitions

Those not familiar with drinking/driving statistics might appreciate the following, which describes data included in this report.

Drivers Involved in Traffic Crashes. We present data on the number (and percentage) of **drivers** involved in traffic crashes reported by police. Drivers, not crashes, are “units of analysis”. We group drivers by their *condition* as reported by investigating police officers and by the *severity* of the crash in which they were involved.

We summarize data on drivers reported as having one of three conditions:

- o **Normal (NOR):** Driver's condition was normal; in the opinion of the investigating officer, the driver had not been drinking.
- o **Had Been Drinking (HBD):** Driver had consumed alcohol but, in the opinion of the officer, did not have a blood alcohol concentration (BAC) over the legal limit, nor was the driver otherwise impaired by alcohol.
- o **Ability to Drive Impaired by Alcohol (IMP):** Driver had a BAC over the legal limit (80 mg%) or was judged impaired by alcohol by the investigating officer.

In addition, we combined drivers in the second and third groups above in a category termed **Drinking Drivers** (D/D). Unless we state otherwise, the term *drinking drivers* means all crash-involved drivers reported to have consumed alcohol, that is, to have a positive BAC. Because we are concerned with drinking drivers, and because numbers of drivers reported by police to have other conditions are relatively small (for example, impaired by other drugs, fatigue, medical conditions, condition unknown), we have not included groups of drivers other than those defined above.

Our definitions of traffic crashes correspond to those used by the police and the Ministry of Transportation.

- o **Property Damage:** Crashes result in damage to property but no reported injury to persons involved. Crashes causing \$700 or more damage are, by law “reportable” by police.

- o **Personal Injury:** Crashes result in injury to one or more persons involved, but no person *died* of injuries sustained in the crash within thirty days. Of course, personal injury crashes usually cause damage to property, too.

- o **Fatal:** One or more persons involved in a crash died within thirty days of injuries sustained. Nonfatal injuries to others as well as property damage may also occur.

Drivers Fatally Injured in Traffic Crashes. In Ontario, most drivers killed in traffic crashes are tested for alcohol. Especially for drivers dying within a few hours of crash involvement, tests for alcohol are routine. In this report, we include data on alcohol use among drivers of *highway vehicles* (for example, operators of farm tractors, snowmobiles, and bicycles are excluded); who were *16 years of age or older*; and who died within *six hours* of crash involvement. In some tables and charts, we group drivers by the type of vehicle operated (for example, automobile, truck or van, motorcycle).

Persons Charged with Impaired-driving Offences. As reported by the Canadian Centre for Justice Statistics, “persons charged” do not represent an “unduplicated count” of *individuals* charged in a year. Thus, a person charged

on more than one occasion will be counted more than once. **Rates** of persons charged are the *number of persons charged per 100,000 population* in a jurisdiction. “Impaired-driving offences” include *driving while impaired, over 80 mg%*, and *failing or refusing to provide a breath sample* for 1974 - 1985; and, for 1986 and 1987, *impaired operation of a motor vehicle, vessel, or aircraft* (that is, causing death, causing bodily harm, impaired operation, or over 80 mg%) and *failing or refusing to provide a breath or blood sample*.

Measuring the Magnitude of the Problem Over Time. However much data on drinking and driving there appear to be, information on the true magnitude of the problem over time is limited. For example, the annual number of traffic crashes **caused by** impaired drivers is unknown. We can but *estimate* the number of traffic crashes involving drinking drivers, if only because police may not know of — and therefore cannot investigate — many (minor) crashes. Nevertheless, we have sufficient data to describe apparent trends in drinking and driving. In this report, for example, we use such common “indicators” as (1) the number and percentage of drinking drivers involved in traffic crashes; (2) the number and percentage of driver fatalities with BACs over 80 mg%; and (3) rates of crash-involved drinking drivers per 1,000 population and per 1,000 licensed drivers.

In addition, we introduce two other measures (or “indexes”) of the problem over time: (1) the ratio of crash-involved *drinking* drivers to crash-involved “normal” drivers and, when data on blood alcohol concentration are available, (2) the ratio of driver fatalities with BACs over 80 mg% to nondrinking driver fatalities (“zero BAC”). Our rationale for using these measures is as follows. Rates of traffic crashes are influenced by many factors, including weather conditions, seasonal patterns of driving (and drinking and driving), even the state of Ontario’s economy. We examine trends in traffic crashes involving drinking drivers to find out whether the problem is increasing, staying the same, or decreasing — *and to assess whether efforts to reduce the problem have been effective*. If we simply counted the number of drinking drivers involved in traffic crashes each year, we would certainly know if the magnitude of the problem changed over time. But we would have little information about **why** the problem increased or decreased. For example, if the number of crash-involved drinking drivers *increased* from one year to another, was it because drinking/driving countermeasures were less

effective, or was it because **other** conditions and factors caused traffic-crash rates to increase in general?

Both the consumption of alcoholic beverages and the operation of motor vehicles are common, widespread behaviours and, as we know, all too frequently combined. As a consequence, *conditions and factors that influence patterns of driving can also influence patterns of drinking and driving* — independent of, and in spite of, drinking/driving countermeasures! Based on drinking/driving statistics over the past 15 years, we have good reason to believe that, in the absence of efforts to reduce impaired driving, the number and percentage of crash-involved *drinking* drivers will vary much like the number and percentage of *normal* drivers. That is, there is a consistent (if not constant) **ratio** of drinking drivers to normal drivers over time.

This ratio can and does change, however. For example, the number of impaired-driver fatalities dropped greatly during recent year-end holiday seasons — but the number of nondrinking driver fatalities remained about the same. As readers will see, the ratio of impaired to nondrinking driver fatalities proves to be a sensitive measure of the impact of drinking/driving countermeasures during these periods. Similarly, as Ontario's economy strengthened in recent years, traffic-crash rates began to climb. *But numbers of normal drivers involved in traffic crashes have increased much more than numbers of crash-involved drinking drivers have.* In fact, the ratio of drinking drivers to normal drivers involved in crashes has dropped slowly but surely for some years now. This may well be evidence that, in general, drinking/driving countermeasures “blunted” effects of the economic changes *on drinking/driving behaviour*.

As with any measure based on a ratio of two numbers, changes in these indexes may stem from increased or decreased numbers of either group of crash-involved drivers — drinking drivers and normal drivers. To assist readers' interpretation, we include data on *numbers* of drivers used to calculate the ratio. For example, throughout Appendix B, which presents drinking/driving statistics for Ontario counties and regional municipalities, charts include both kinds of statistics for greater ease of comparison.

Drinking and Driving in Ontario: 1987

In the following sections, we use drinking/driving statistics described above to review the magnitude and characteristics of the problem in Ontario during 1987; differences among counties and regional municipalities; and trends in drinking and driving. In the hope that pictures are indeed worth a thousand words apiece, we have relied more on charts and graphs than on text to convey this information. We do discuss, briefly, interesting or unexpected findings.

Magnitude of the Problem and Characteristics of Crash-Involved Drivers

Figure 1 shows the number and percentage of three groups of drivers involved in traffic crashes in Ontario during 1987: drivers reported as normal, had been drinking (HBD), and ability impaired by alcohol. About 5.6% of all crash-involved drivers (18,737) were reported to have consumed alcohol.

As shown in Figure 2, a greater percentage of drivers become involved in fatal and injury crashes during summer months than during winter months. Seasonal differences seem more pronounced for drinking drivers. Of interest, greatest differences occurred during January and December, which may reflect the impact of drinking/driving countermeasures.

Figure 3 groups normal and drinking drivers by hour of crash. In 1987, over half the drivers reported by police as normal crashed during afternoon hours. In stark contrast, over half the drivers reported to have consumed alcohol crashed between 9 p.m. and 3 a.m.

Figure 4 groups *only drinking drivers* by day of week and severity of crash. About the same percentage of property damage, injury, and fatal crashes occur throughout the week. The greatest percentage of crashes of any severity occur on Saturday (early a.m. and late p.m.).

As we mentioned in Section 2, most crash-involved drinking drivers are **young** and **male**. Figure 5 shows the percentage of each age group in the group of drivers judged impaired by police officers in 1987 (7,648 in all). If, as is usual, we define *young drivers* as those 16 to 24 years old, then young drivers comprised the second largest group of crash-involved impaired drivers (about 31%, 2,226). The largest group, 25-34 year olds, accounted for 36% (2,772) of the total number of impaired drivers.

Figures 6 (for male drivers) and 7 (for female drivers) present information on the "representation" of different age groups in licensed-driver and crash-involved populations. The vertical axis indicates the percentage of each population that an age group represented in 1987. Figure 6 shows that male drivers 19-24 and

25-34 are **overrepresented in all three groups**: crash-involved drinking drivers, drivers judged impaired, and normal drivers. The youngest age group — 16-18 year olds — was overrepresented among drinking and normal drivers, but very slightly *underrepresented* among impaired drivers. Female drivers had similar patterns of crash involvement relative to their numbers in the licensed-driver population. One exception was the 35-44 year-old group, which — unlike their male counterparts — was overrepresented among crash-involved impaired drivers.

In Figure 8, we use a “Problem Index” (PI) and apply it to age groups of crash-involved drivers for both 1986 and 1987. This index is simply *the number of crash-involved drinking drivers divided by the number of crash-involved normal drivers times 100*. The PI indicates the degree to which drinking and driving is a problem in each age group. As was also evident in Figure 6, drivers 19-24 and 25-34 years old stand out as having higher PIs than all other age groups. Drivers aged 16-18 and 35-44 have comparable PIs. Combining all age groups gives a PI value for Ontario as a whole, which dropped slightly from 1986 to 1987. Interestingly, lower PIs for drivers aged 16-24 years accounted for most of the difference.

Figure 1
Condition of Drivers Involved in Traffic Crashes:
Ontario 1987

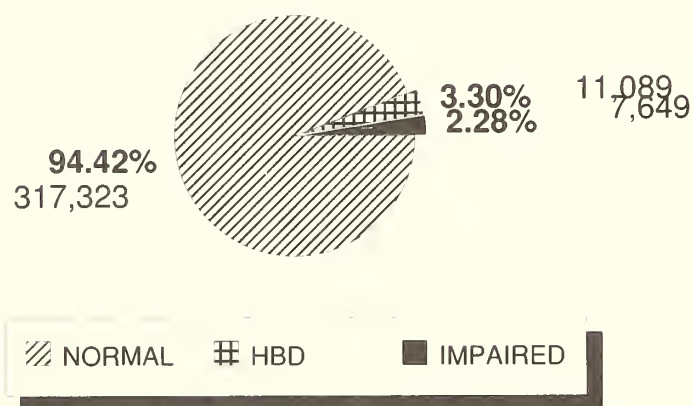


Figure 2
Normal and Drinking Drivers in Fatal and Injury Crashes:
Drivers Grouped By Month (Ontario, 1987)

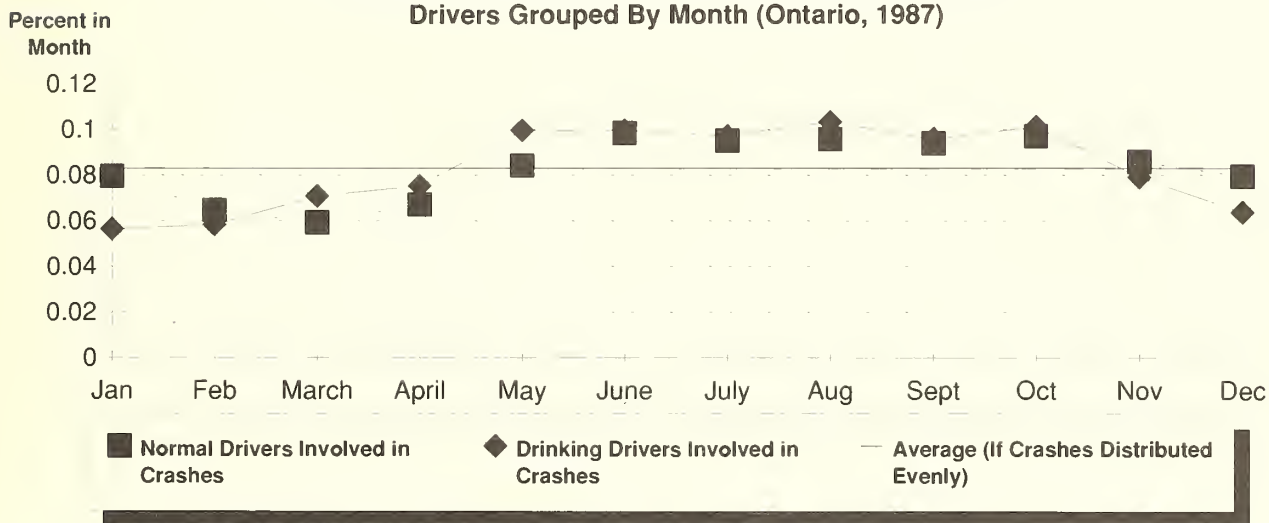


Figure 3
Normal and Drinking Drivers Grouped by Hour of Crash
Ontario 1987

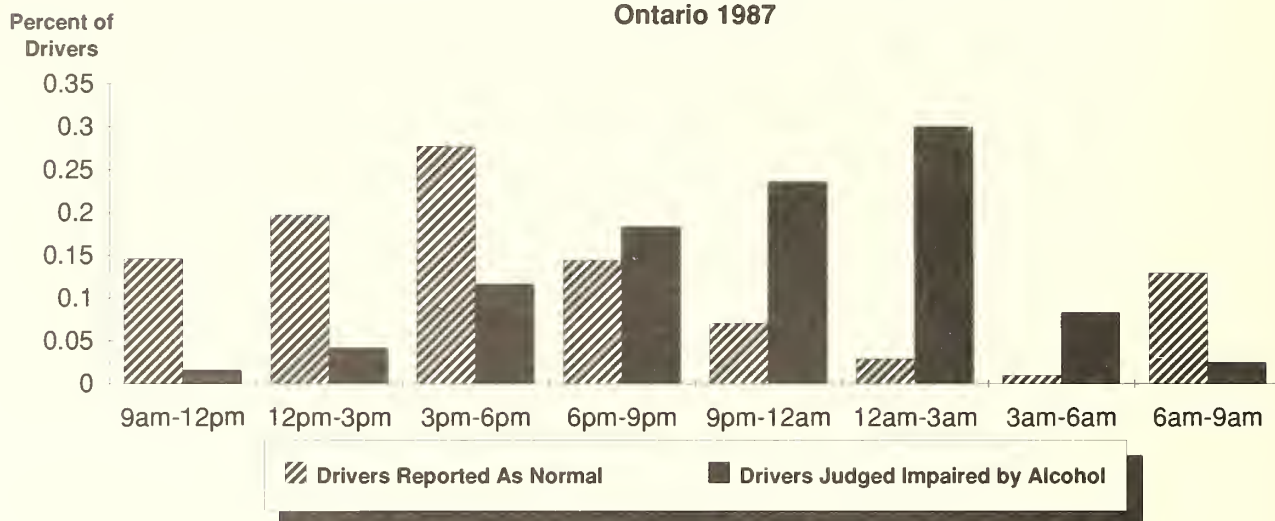


Figure 4
Drinking Drivers Involved in Crashes of Different Severity:
Drivers Grouped by Day of Week

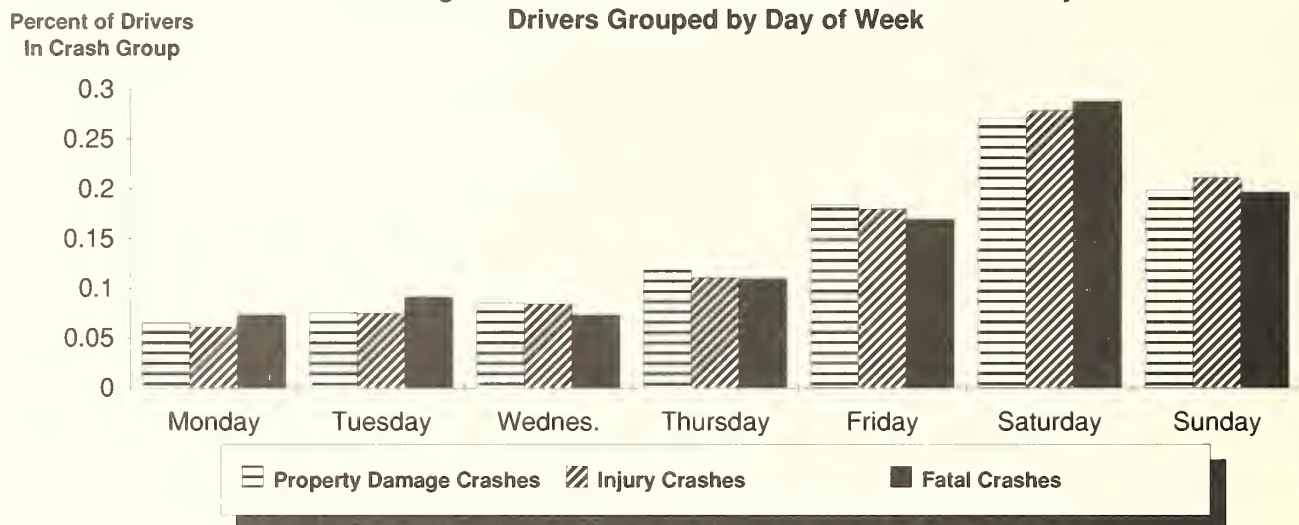


Figure 5
Crash-Involved Drivers Judged Impaired by Alcohol:
Drivers Grouped by Age (Ontario, 1987)

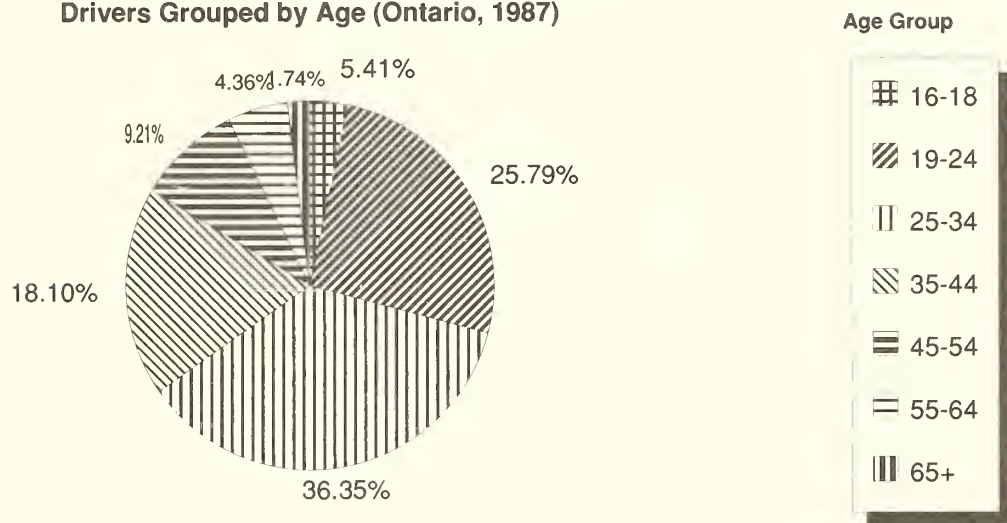


Figure 6
Percentage of Age Groups as Licensed & Crash-Involved Drivers:
Male Drivers, Ontario 1987

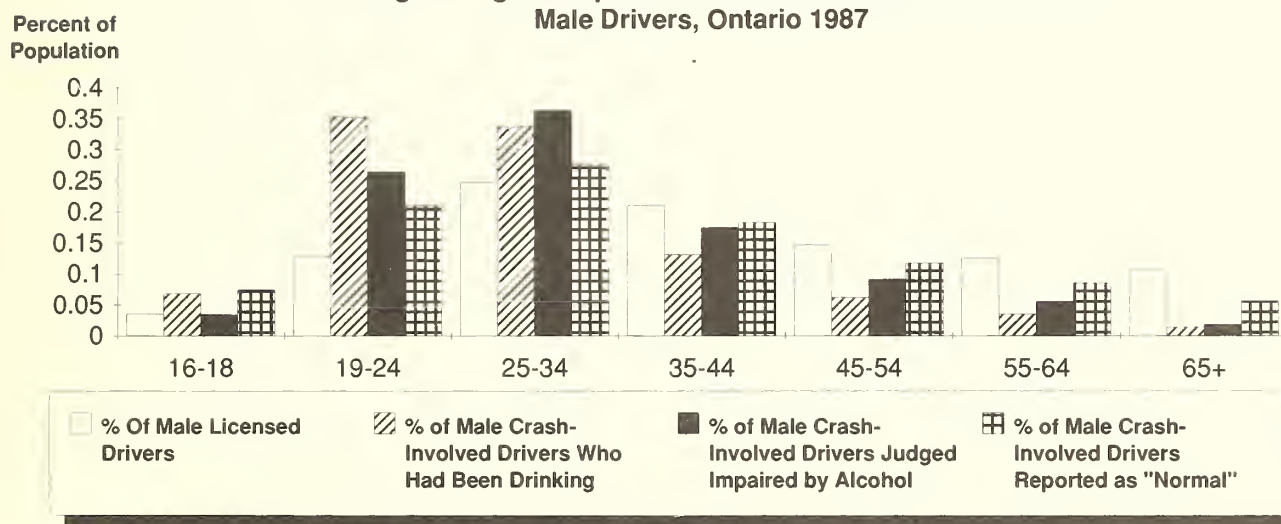


Figure 7
Percentage of Age Groups as Licensed & Crash-Involved Drivers:
Female Drivers, Ontario 1987

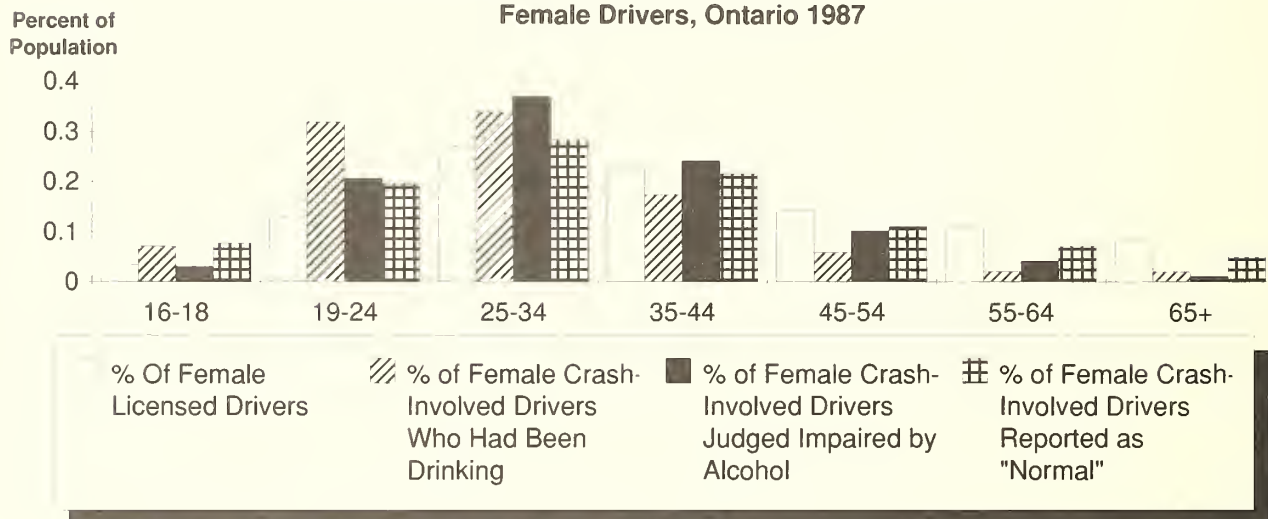
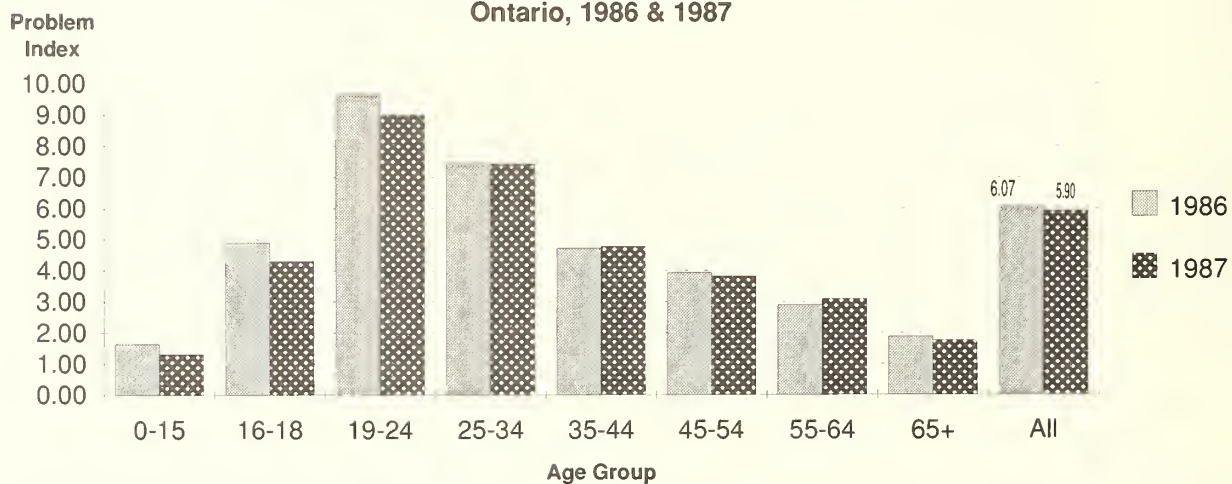


Figure 8
Drivers Involved in Traffic Crashes, Grouped by Age:
Ratio of Drinking to Normal Drivers (Problem Index*)
Ontario, 1986 & 1987



*Problem Index (PI) = (Drinking Drivers / Normal Drivers) X 100

The Problem of Drinking and Driving in Ontario: Counties and Regional Municipalities

In Section 2, we briefly noted that the problem of drinking and driving exists everywhere in Ontario, but also that it varies across counties and regional municipalities. In terms of actual magnitude, we do not find it surprising in 1987 that police reported greater numbers of crash-involved drinking drivers in areas with greater populations. For example, in Figure 9, we indicate the number of normal and drinking drivers in traffic crashes for counties and regional municipalities ordered by increasing population. As population increases, so too do numbers of **both** groups of drivers. (The last point on the graph represents Metropolitan Toronto and York Region combined; see also Table 10 in Appendix A.)

Figure 10 charts rates of crash-involved drivers per 1,000 population; again, counties and regional municipalities are arranged in order of increasing population. Of interest, in 1987, areas with greater populations had higher rates of crash-involved normal drivers and lower rates of crash-involved drinking drivers. The reverse *generally* held true for areas with lesser populations; some counties with small populations, however, evidenced high rates for both groups of drivers.

Finally, in Figure 11, we again apply the Problem Index. (The greater the PI value, the higher the ratio of drinking drivers to normal drivers in the crash-involved population.) As we would predict from Figure 10, in general, jurisdictions with greater populations had *lower* PI values. The relationship between size of population and PI seems strong but there are obvious differences among counties of approximately equal size.

Figure 9
Number of Drinking and Normal Drivers Involved in Traffic Crashes
Ontario Counties and Regional Municipalities, 1987

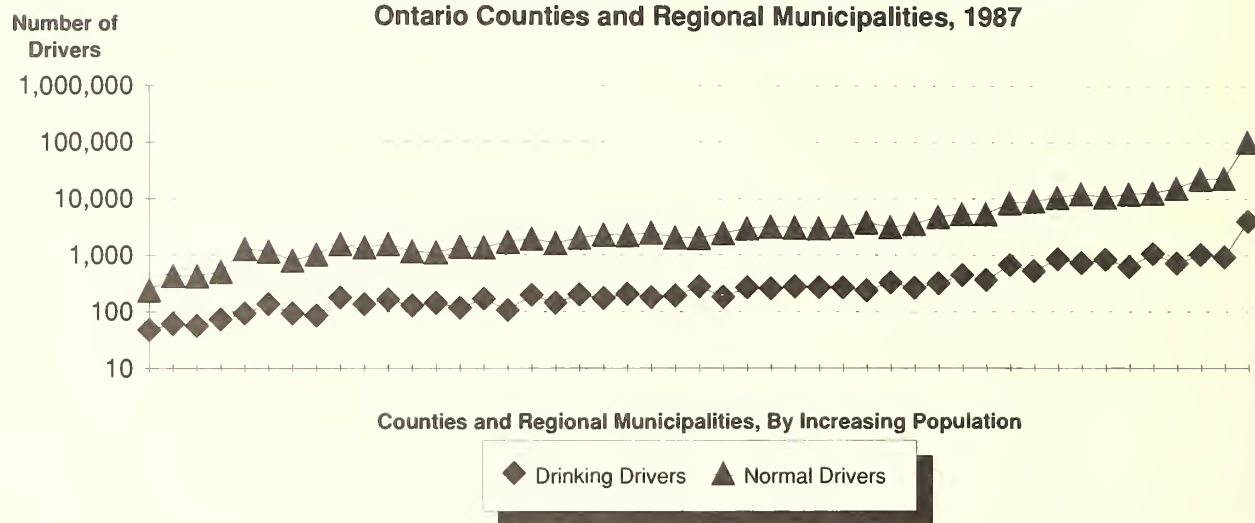
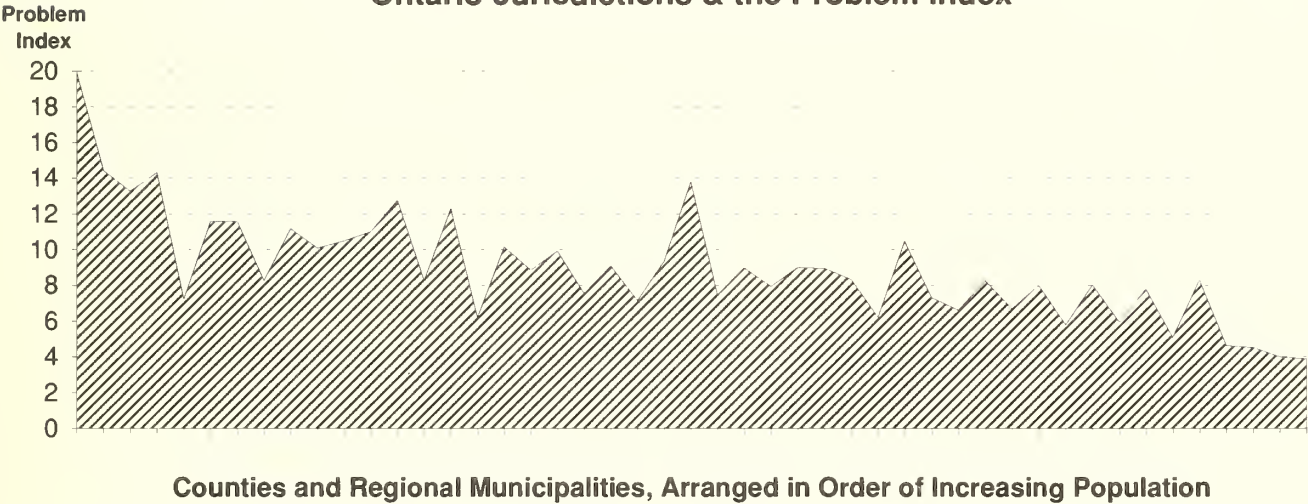


Figure 10
Crash-Involved Drinking and Normal Drivers Per 1,000 Population:
Ontario Counties and Regional Municipalities, 1987



Figure 11
Indexing the Problem of Drinking and Driving:
Ontario Jurisdictions & the Problem Index



Ontario Trends in Drinking and Driving

In this section, we examine trends in drinking and driving using a number of indicators of the problem.

Figure 12 shows that numbers of *crash-involved drinking drivers* have declined greatly since 1980 — from about 30,000 in 1980 to less than 20,000 by 1987 (see also Table 1, Appendix A.) In 1987, however, the number of both male and female drinking drivers increased; the total number of drinking drivers increased about 6%, from 17,723 in 1986 to 18,737 in 1987. Other indicators evidence the same trend. In Figure 13 we see that numbers of crash-involved drinking drivers *per 1,000 licensed drivers* and *per 1,000 population* also decreased since 1980. Compared to 1986, however, both rates increased slightly in 1987: 2.6% and 4.1%, respectively. Based on these findings, we can conclude that the **magnitude** of drinking-driving problems increased somewhat in Ontario during 1987.

Figure 14 suggests one possible explanation for the above. The annual number of *normal drivers* involved in traffic crashes has increased about 20% (264,800 to 317,000) since the post-recession year of 1983 (see also Table 1, Appendix A). This no doubt reflects Ontario's improved economy; increased travel (along with more exposure to the *risk* of crash involvement); and, perhaps, more opportunities to combine drinking and driving. As indicated by the Problem Index, however, what is remarkable is that **numbers of crash-involved drinking drivers have not increased nearly as much as we might otherwise expect**. In fact, 1987 had a slightly lower PI value (by 2.8%) than did 1986. This result indicates that decreased social acceptability of impaired-driving behaviour along with drinking/driving countermeasures may have at least *moderated* the effect of economic conditions.

Data on *alcohol use among automobile driver fatalities* offer additional insight into trends in drinking and driving. Figure 15 charts annual numbers of nondrinking (zero BAC) drivers and drivers with illegal BACs (over 80 mg%). Also shown are values for a "Problem Index - 80" (the number of over-80 drivers divided by the number of zero-BAC drivers times 100). Of interest, from 1973 through 1982, the number of over-80 drivers equalled **or exceeded** the number

of nondrinking drivers. Since then, the number of driver fatalities with illegal BACs have dropped 12.5%, from 152 in 1983 to 133 in 1987. In contrast, over the same period of time, the number of *nondrinking* drivers has increased 9%, from 187 (1983) to 203 (1987). Changes in the Problem Index reflect this trend.

Unfortunately, other data indicate a much higher incidence of illegal BACs among fatally injured operators of **other** vehicles. For example, in 1987, 44% of motorcyclists and 56% of truck or van drivers killed in traffic crashes had BACs over 80 mg%. (See Table 8, Appendix A.) Nonetheless, when we consider alcohol use among **all** driver fatalities, we find that both the number and percent of impaired-driver fatalities have remained about the same since 1984 and about **18% lower** than the 15-year average (see Table 9, Appendix A).

Figure 16 shows the monthly number of driver fatalities in Ontario from January 1973 through December 1987; the number of those drivers tested for alcohol; and number of drivers having BACs over 80 mg%. Very evident is a regular, seasonal trend: increased driver fatalities during the summer and decreased numbers during the winter. This time series illustrates very well the likely persistence of drinking-driving problems — despite intensified programs and increased awareness.

In Figure 17, we have plotted values of the Problem Index - 80 for the same series of data. Of great interest, the index shows unprecedented changes during recent winters in Ontario (1983/1984, 1984/1985, and 1985/1986). Winter 1985/1986 is notable because, in December 1985, amendments to the Criminal Code of Canada introduced (among other provisions) severe penalties for new impaired-driving offences (for example, impaired driving causing bodily harm or death). Moreover, Ontario increased the minimum period of license suspension to one year for drivers convicted of a *first* impaired-driving offence. The Problem Index reflects sharp drops in impaired-driver fatalities during these periods; nondrinking driver fatalities remained unchanged.

Figure 12
Number of Drinking Drivers Involved in Traffic Crashes
Ontario, 1980-1987

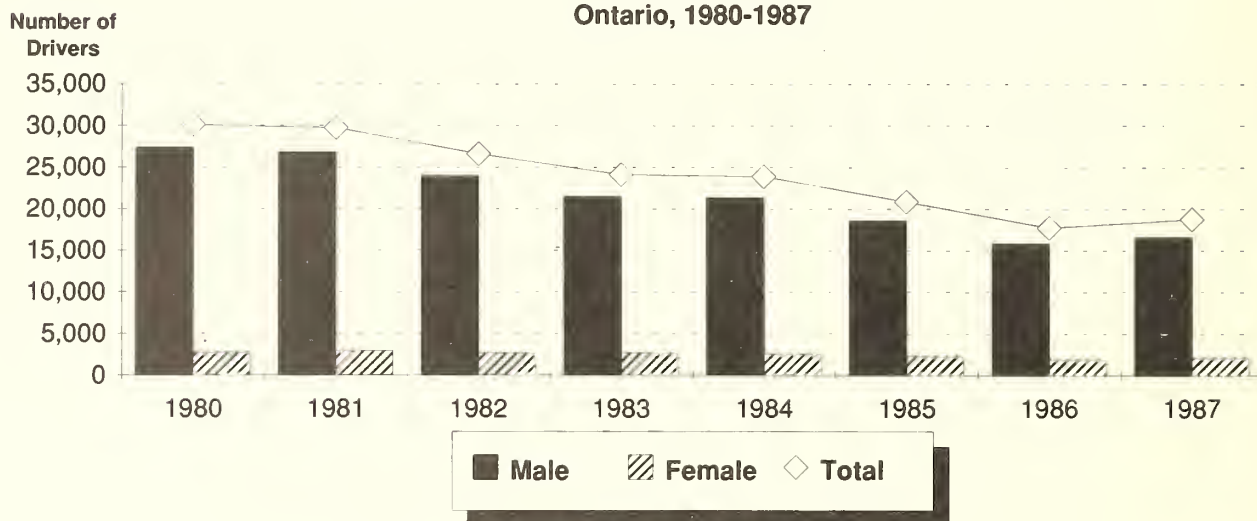


Figure 13
Trends in Rates and Numbers of Crash-Involved Drinking Drivers
Ontario, 1980 - 1987

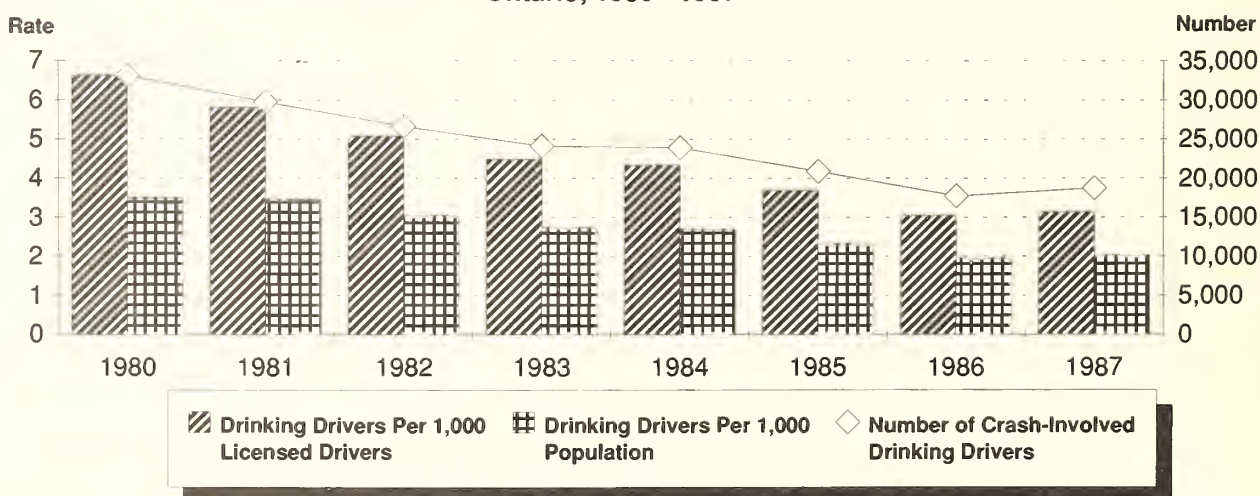


Figure 14
Drinking and Normal Drivers Involved in Traffic Crashes
Ontario 1980-1987

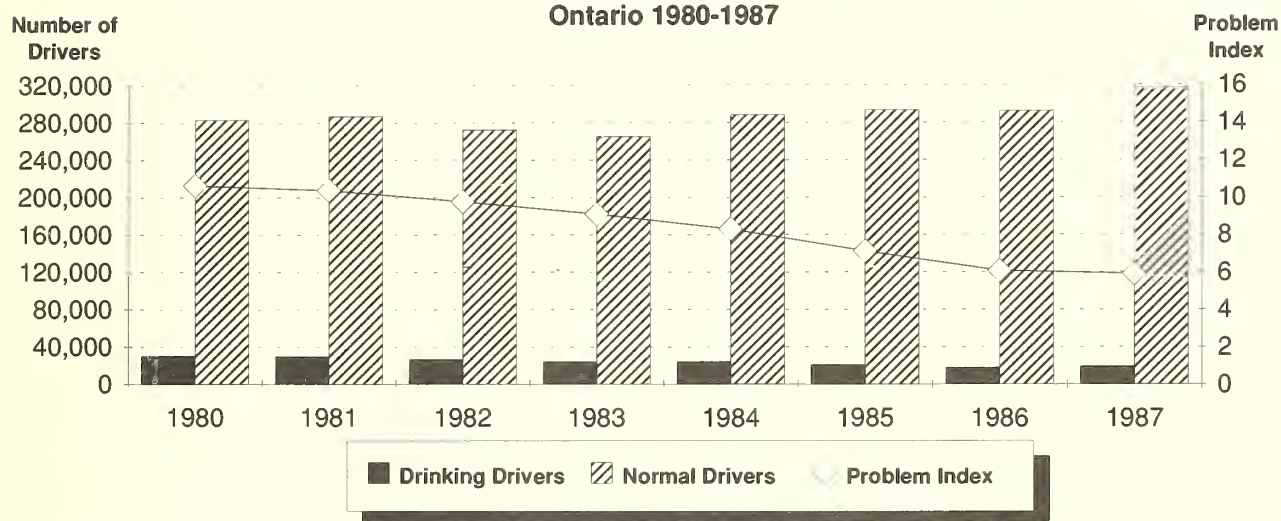


Figure 15
Alcohol Use Among Automobile Driver Fatalities in Ontario

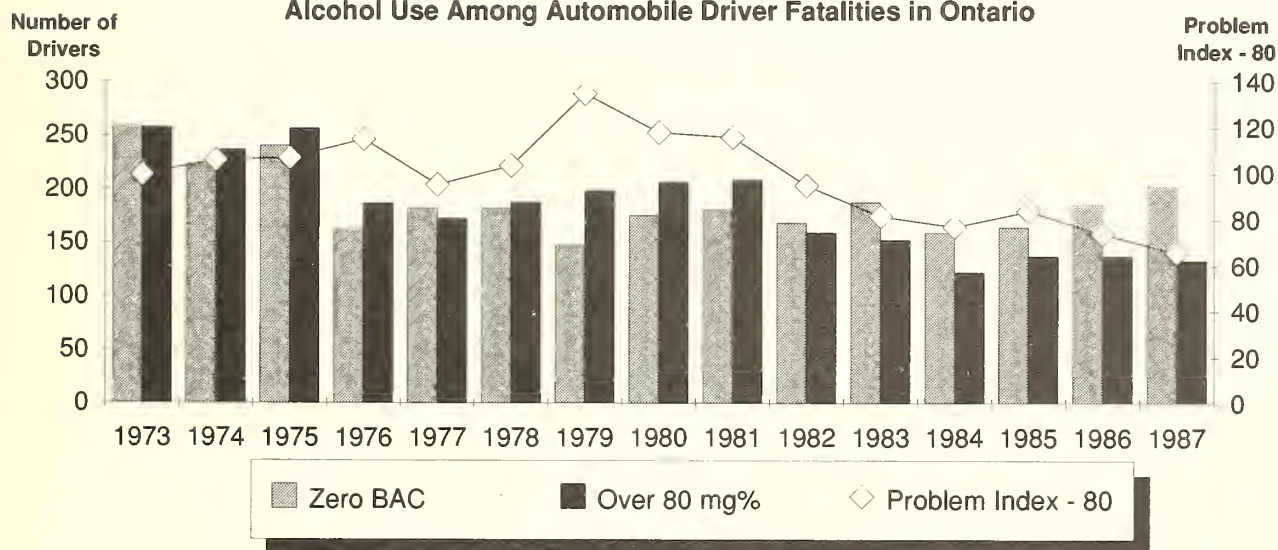


Figure 16
Driver Fatalities with BACs Over 80 Mg% in Ontario, 1973 - 1987

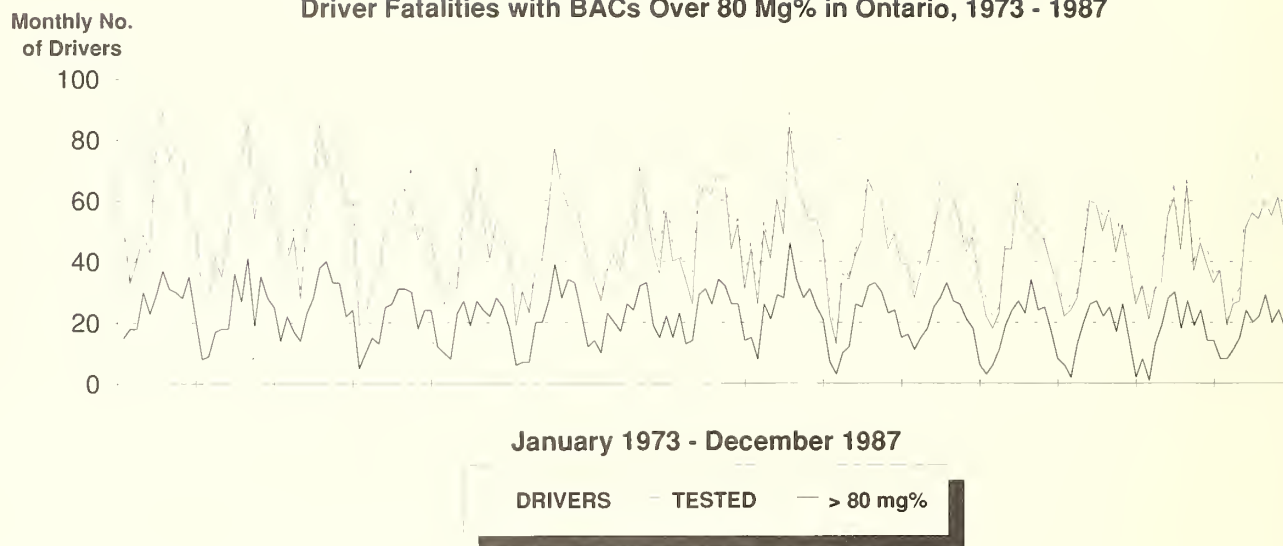
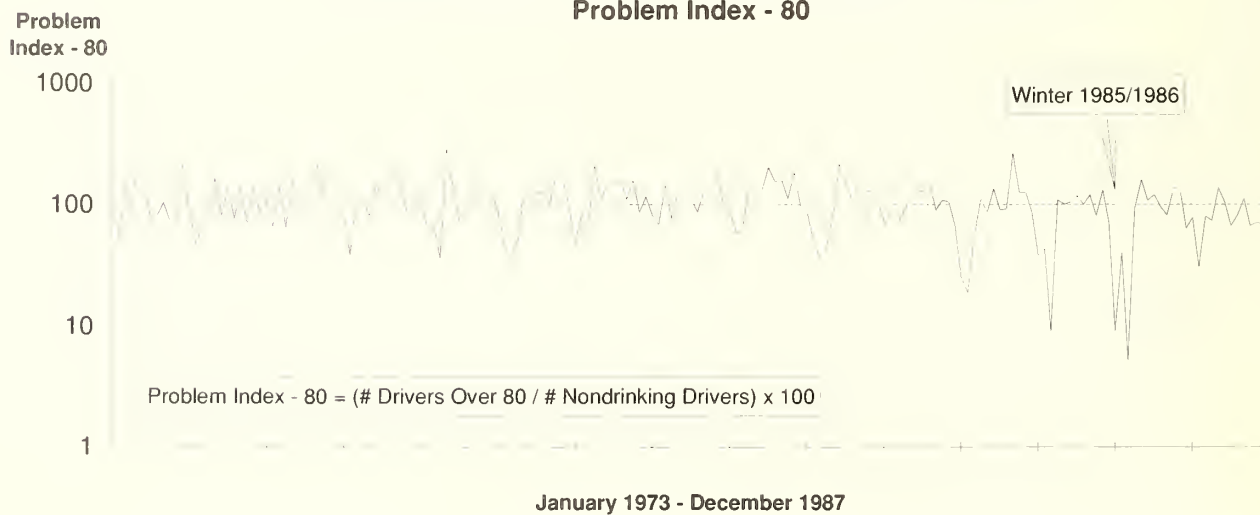


Figure 17
Trends in Alcohol Use Among Driver Fatalities in Ontario:
Problem Index - 80



Trends in Drinking and Driving: Criminal Justice Statistics

We now look briefly at trends based on *criminal justice* statistics, specifically, data on "persons charged" with impaired driving offences in Ontario and selected cities. As we discussed earlier, annual data on persons charged will likely include some individuals more than once. We assume, however, that only a small percentage of people are charged with impaired-driving offences two or more times in a given year. Thus, estimates based of this information should accurately reflect *trends*, if not precise yearly rates.

Figure 18 presents data on persons charged with impaired-driving offences in Ontario from 1974 through 1987. Also included is the *rate* of persons charged *per 100,000 population*. Until 1984, annual numbers of persons charged in Ontario stayed fairly constant, ranging from 42,900 in 1976 to 46,700 in 1981. In 1984, there were 46,000 persons charged. Since that year, however, numbers of persons charged have declined. A sharp drop occurred in 1985 when 12 % fewer persons were charged. Because the population of Ontario has increased steadily since 1974, rates of persons charged per 100,000 population have also decreased. The rate of persons charged in 1987 was 20% less than the rate in 1984.

As shown in Figure 19, rates of persons charged vary in major centres of population in Ontario. In 1974, rates ranged from 292 in Ottawa to 500 in Toronto. In 1987, rates ranged from 241 in Toronto to 537 in London. Although it may be coincidence, during the initial period of renewed concern over impaired driving in Ontario (1982 - 1983), rates of persons charged were about the same in these five cities.

Compared to a decade ago, *numbers of persons charged* and *rates per 100,000 population* have decreased. In four of the five cities, rates were lower in 1987 compared to 1974. London, the exception, increased the rate of persons charged since 1984 and became the only city included here to exceed the provincial rate. In 1987, however, every city but Ottawa had *increased* numbers of persons charged and *higher* rates per 100,000 population.

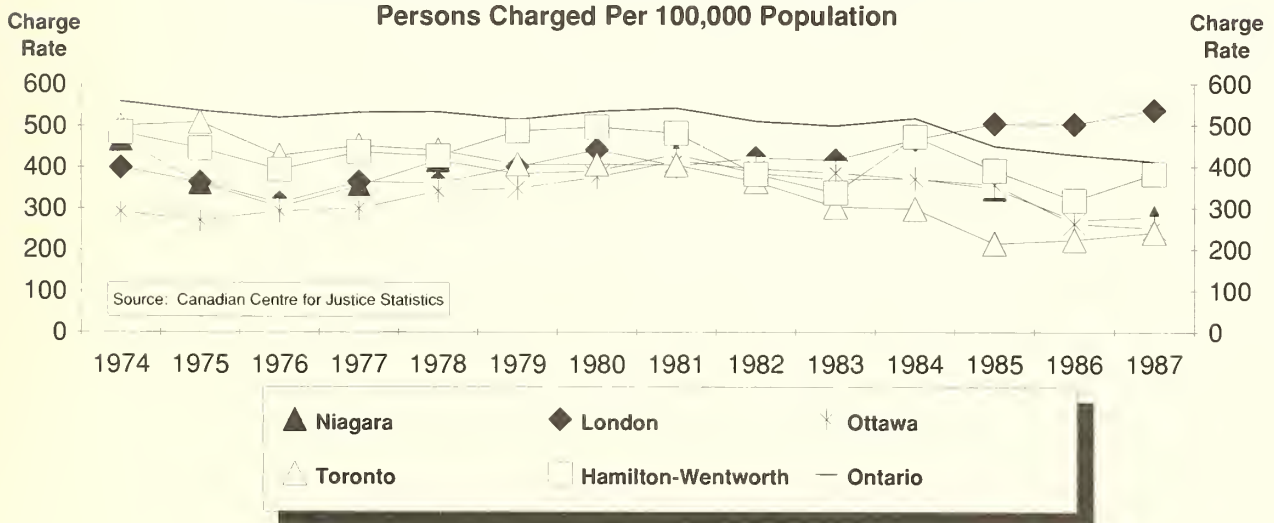
To interpret these data is not easy. First, law enforcement statistics do **not** measure the frequency of impaired-driving behaviour, a task for which roadside surveys are best suited. Second, *enforcement practices* probably affect both the number of persons charged and the rate of persons charged per 100,000 population. A simplistic explanation of trends shown in Figures 18 and 19 is that **enforcement** of impaired-driving laws has decreased, not necessarily the incidence of impaired driving. But **methods** of enforcement may also have changed, at least in terms of emphasis. For example, Ontario police forces appear to use *roadside checkstops* much more now than in years past. This method of enforcement requires a very large investment of manpower and other resources. Compared to past years, the level of enforcement of impaired driving laws may have actually *increased* in Ontario!

Finally, combined with publicity, checkstop campaigns seem designed to deter people from driving after drinking rather than to arrest impaired drivers. It may well be that *enforcement as a deterrent* will prove more effective in reducing impaired driving than the (highly **unpublicized**) arrest and punishment of a small fraction of offenders. Further research is needed to resolve this and other issues related to enforcement of impaired-driving laws. In the meantime, we urge readers to use caution in interpreting the meaning of these statistics.

Figure 18
Persons Charged with Impaired-Driving Offences
Ontario, 1974 - 1987



Figure 19
Impaired-Driving Offences in Ontario and Selected Cities:
Persons Charged Per 100,000 Population



SOURCES OF MORE INFORMATION

Readers wishing more information on drinking and driving may either contact the Office of Drinking/Driving Countermeasures or refer to publications listed below — or both!

CONTACT:

Office of Drinking/Driving Countermeasures
Ministry of the Attorney General
101 Bloor St. W., 4th Floor
M5S 1P7
Tel: (416) 965-7145

REFERENCES:

- *** **Ontario Road Safety. Annual Report for 1987,**
Ministry of Transportation.

Source: Transportation Regulation Development Branch
Safety Co-ordination and Development Office
West Building
1201 Wilson Avenue
Downsview, Ontario
M3M 1J8
Tel: (416) 235-3585

- *** **Impaired Driving in Canada, 1974 - 1987,**
Juristat Service Bulletin, Vol. 8, No. 4, September 1988.
(Catalogue 85-002)

Source: Statistics Canada

This and other Statistics Canada publications may be purchased from local authorized and other community bookstores, through local Statistics Canada offices, or by mail order to Publication Sales and Services, Ottawa, K1A 0T6.

- *** **Alcohol Use By Persons Fatally Injured in Motor Vehicle Accidents: 1986,** P.J. Walsh et al.,
Traffic Injury Research Foundation of Canada.
(Report No. TP 8156, 1987)

Source: Road Safety and Motor Vehicle Regulation Directorate
Transport Canada
Canada Building
344 Slater Street
Ottawa, Ontario
K1A 0N5

APPENDIX A

**DRINKING AND DRIVING
IN ONTARIO**

1987 STATISTICS

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Table 1
DRIVERS INVOLVED IN TRAFFIC CRASHES
ONTARIO, 1980-1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	9084	4978	####	139166	8389	4303	12692	70433	272	321	593	940	17745	9602	27347	210539
1981	8951	4965	####	140433	8193	4187	12380	70773	213	287	500	907	17357	9439	26796	212113
1982	7984	4319	####	133222	7393	3786	11179	66244	182	267	449	763	15559	8372	23931	200229
1983	6811	3923	####	125835	6653	3568	10221	65271	162	319	481	820	13626	7810	21436	191926
1984	6822	3931	####	135973	6465	3641	10106	71168	190	264	454	851	13477	7836	21313	207992
1985	5302	3244	8546	127478	6041	3562	9603	81791	162	243	405	833	11505	7049	18554	210102
1986	4370	2816	7186	124164	4869	3364	8233	81920	135	254	389	842	9374	6434	15808	206926
1987	4562	2947	7509	132016	5005	3680	8685	90362	133	259	392	939	9700	6886	16586	223317
Female																
1980	861	388	1249	46181	1084	367	1451	26057	30	24	54	228	1975	779	2754	72466
1981	929	462	1391	47595	1097	403	1500	26669	23	21	44	188	2049	886	2935	74452
1982	911	364	1275	46395	992	341	1333	25229	21	28	49	171	1924	733	2657	71795
1983	888	402	1290	46283	981	362	1343	26357	14	20	34	229	1883	784	2667	72869
1984	851	438	1289	51207	869	373	1242	28600	26	18	44	221	1746	829	2575	80028
1985	680	376	1056	48541	858	351	1209	34123	17	23	40	218	1555	750	2305	82882
1986	519	332	851	48940	688	345	1033	35899	8	23	31	229	1215	700	1915	85068
1987	542	338	880	53192	829	396	1225	40537	18	28	46	277	1389	762	2151	94006
Total																
1980	9945	5366	####	185347	9473	4670	14143	96490	302	345	647	1168	19720	####	30101	283005
1981	9880	5427	####	188028	9290	4590	13880	97442	236	308	544	1095	19406	####	29731	286565
1982	8895	4683	####	179617	8385	4127	12512	91473	203	295	498	934	17483	9105	26588	272024
1983	7699	4325	####	172118	7634	3930	11564	91628	176	339	515	1049	15509	8594	24103	264795
1984	7673	4369	####	187180	7334	4014	11348	99768	216	282	498	1072	15223	8665	23888	288020
1985	5982	3620	9602	176019	6899	3913	10812	115914	179	266	445	1051	13060	7799	20859	292984
1986	4889	3148	8037	173104	5557	3709	9266	117819	143	277	420	1071	10589	7134	17723	291994
1987	5104	3285	8389	185208	5834	4076	9910	130899	151	287	438	1216	11089	7648	18737	317323

KEY: HBD -- Drivers reported by police to have been drinking
 IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
 D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
 NOR -- Drivers whose condition was reported by police as "normal"

Table 2

AGE OF DRIVERS

INVOLVED IN TRAFFIC CRASHES

ONTARIO, 1987

Sex & Age		No. of Licensed Drivers	Property Damage			
			HBD	IMP	D/D	NOR
Male						
0-15	0	9	5	14	152	
16-18	117004	290	105	395	9189	
19-24	422507	1550	714	2264	27014	
25-34	821516	1557	1072	2629	36867	
35-44	697032	607	517	1124	24284	
45-54	487279	278	296	574	15508	
55-64	416013	179	176	355	11326	
65+	354538	83	57	140	7595	
Unknown	0	9	5	14	81	
Total	3315889	4562	2947	7509	132016	
Female						
0-15	0	1	0	1	39	
16-18	88092	35	7	42	4117	
19-24	340640	172	73	245	10230	
25-34	723410	187	115	302	15098	
35-44	609821	92	83	175	11261	
45-54	378743	33	39	72	5833	
55-64	292852	11	17	28	3851	
65+	228658	11	3	14	2746	
Unknown	0	0	1	1	17	
Total	2662216	542	338	880	53192	
Total						
0-15	0	10	5	15	191	
16-18	205096	325	112	437	13306	
19-24	763147	1722	787	2509	37244	
25-34	1544926	1744	1187	2931	51965	
35-44	1306853	699	600	1299	35545	
45-54	866022	311	335	646	21341	
55-64	708865	190	193	383	15177	
65+	583196	94	60	154	10341	
Unknown	0	9	6	15	98	
Total	5978105	5104	3285	8389	185208	

	Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
	8	2	10	1497	1	0	1	16	18	7	25	1665
	356	122	478	7138	12	9	21	85	658	236	894	16412
	1801	1019	2820	19288	59	78	137	184	3410	1811	5221	46486
	1668	1327	2995	23952	33	93	126	216	3258	2492	5750	61035
	644	641	1285	15930	13	39	52	161	1264	1197	2461	40375
	312	317	629	10188	8	12	20	116	598	625	1223	25812
	154	186	340	7338	6	20	26	96	339	382	721	18760
	52	61	113	4717	1	7	8	65	136	125	261	12377
	10	5	15	314	0	1	1	0	19	11	30	395
	5005	3680	8685	90362	133	259	392	939	9700	6886	16586	223317
	1	2	3	511	0	0	0	2	2	2	4	552
	62	13	75	3034	1	3	4	21	98	23	121	7172
	264	78	342	7966	5	5	10	54	441	156	597	18250
	274	150	424	11265	7	15	22	66	468	280	748	26429
	144	96	240	8759	4	4	8	54	240	183	423	20074
	48	37	85	4428	0	1	1	28	81	77	158	10289
	16	14	30	2674	1	0	1	22	28	31	59	6547
	16	5	21	1801	0	0	0	30	27	8	35	4577
	4	1	5	99	0	0	0	0	4	2	6	116
	829	396	1225	40537	18	28	46	277	1389	762	2151	94006
	9	4	13	2008	1	0	1	18	20	9	29	2217
	418	135	553	10172	13	12	25	106	756	259	1015	23584
	2065	1097	3162	27254	64	83	147	238	3851	1967	5818	64736
	1942	1477	3419	35217	40	108	148	282	3726	2772	6498	87464
	788	737	1525	24689	17	43	60	215	1504	1380	2884	60449
	360	354	714	14616	8	13	21	144	679	702	1381	36101
	170	200	370	10012	7	20	27	118	367	413	780	25307
	68	66	134	6518	1	7	8	95	163	133	296	16954
	14	6	20	413	0	1	1	0	23	13	36	511
	5834	4076	9910	130899	151	287	438	1216	11089	7648	18737	317323

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NOR -- Drivers whose condition was reported by police as "normal"

Table 3

**DRIVERS IN TRAFFIC CRASHES:
HOUR OF CRASH
ONTARIO, 1987**

Hour of Crash	Property Damage			
	HBD	IMP	D/D	NOR
Male				
12am-3am	1348	834	2182	3971
3am-6am	432	205	637	1556
6am-9am	110	68	178	17477
9am-12pm	80	53	133	20140
12pm-3pm	209	109	318	25696
3pm-6pm	560	343	903	35365
6pm-9pm	791	580	1371	18423
9pm-12am	988	728	1716	9087
Unknown	44	27	71	301
Total	4562	2947	7509	132016
Female				
12am-3am	199	98	297	1126
3am-6am	51	20	71	279
6am-9am	20	6	26	7319
9am-12pm	7	6	13	8264
12pm-3pm	10	14	24	10925
3pm-6pm	41	34	75	15200
6pm-9pm	85	63	148	6844
9pm-12am	124	95	219	3105
Unknown	5	2	7	130
Total	542	338	880	53192
Total				
12am-3am	1547	932	2479	5097
3am-6am	483	225	708	1835
6am-9am	130	74	204	24796
9am-12pm	87	59	146	28404
12pm-3pm	219	123	342	36621
3pm-6pm	601	377	978	50565
6pm-9pm	876	643	1519	25267
9pm-12am	1112	823	1935	12192
Unknown	49	29	78	431
Total	5104	3285	8389	185208

Personal Injury				Fatal				Total			
HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
1498	1072	2570	2968	41	91	132	79	2887	1997	4884	7018
459	218	677	1000	9	21	30	22	900	444	1344	2578
116	90	206	10694	6	7	13	109	232	165	397	28280
70	43	113	11893	1	3	4	97	151	99	250	32130
221	135	356	17341	8	9	17	159	438	253	691	43196
616	425	1041	24762	15	30	45	223	1191	798	1989	60350
885	754	1619	14225	26	42	68	152	1702	1356	3058	32800
1092	933	2025	7302	27	53	80	98	2107	1714	3821	16487
48	30	78	177	0	3	3	0	92	60	152	478
5005	3680	8685	90362	133	259	392	939	9700	6886	16586	223317
266	120	386	870	6	9	15	14	471	227	698	2010
97	28	125	189	2	4	6	2	150	52	202	470
24	13	37	5267	1	1	2	37	45	20	65	12623
17	10	27	5723	0	0	0	40	24	16	40	14027
35	13	48	8081	1	3	4	44	46	30	76	19050
66	19	85	11929	2	0	2	70	109	53	162	27199
116	69	185	5807	3	5	8	41	204	137	341	12692
199	122	321	2559	3	6	9	29	326	223	549	5693
9	2	11	112	0	0	0	0	14	4	18	242
829	396	1225	40537	18	28	46	277	1389	762	2151	94006
1764	1192	2956	3838	47	100	147	93	3358	2224	5582	9028
556	246	802	1189	11	25	36	24	1050	496	1546	3048
140	103	243	15961	7	8	15	146	277	185	462	40903
87	53	140	17616	1	3	4	137	175	115	290	46157
256	148	404	25422	9	12	21	203	484	283	767	62246
682	444	1126	36691	17	30	47	293	1300	851	2151	87549
1001	803	1804	20032	29	47	76	193	1906	1493	3399	45492
1291	1055	2346	9861	30	59	89	127	2433	1937	4370	22180
57	32	89	289	0	3	3	0	106	64	170	720
5834	4076	9910	130899	151	287	438	1216	11089	7648	18737	317323

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

Table 4
DRIVERS IN TRAFFIC CRASHES:
DAY OF WEEK
ONTARIO, 1987

Hour of Crash	Property Damage			
	HBD	IMP	D/D	NOR
Male				
Monday	272	205	477	18690
Tuesday	337	239	576	20276
Wednesday	396	250	646	18711
Thursday	498	378	876	19423
Friday	834	582	1416	25260
Saturday	1283	754	2037	17491
Sunday	942	539	1481	12165
Total	4562	2947	7509	132016
Female				
Monday	38	33	71	7458
Tuesday	37	22	59	8447
Wednesday	38	32	70	8124
Thursday	63	56	119	8221
Friday	74	52	126	9855
Saturday	160	82	242	6846
Sunday	132	61	193	4241
Total	542	338	880	53192
Total				
Monday	310	238	548	26148
Tuesday	374	261	635	28723
Wednesday	434	282	716	26835
Thursday	561	434	995	27644
Friday	908	634	1542	35115
Saturday	1443	836	2279	24337
Sunday	1074	600	1674	16406
Total	5104	3285	8389	185208

Personal Injury					Fatal				Total			
HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
297	229	526	12548		10	17	27	119	579	451	1030	31357
365	249	614	13004		14	24	38	147	716	512	1228	33427
426	316	742	12879		10	20	30	139	832	586	1418	31729
532	426	958	12803		14	30	44	119	1044	834	1878	32345
889	689	1578	16534		24	42	66	168	1747	1313	3060	41962
1423	1024	2447	12913		41	72	113	149	2747	1850	4597	30553
1073	747	1820	9681		20	54	74	98	2035	1340	3375	21944
5005	3680	8685	90362		133	259	392	939	9700	6886	16586	223317
54	25	79	5727		1	4	5	42	93	62	155	13227
74	53	127	6341		2	0	2	38	113	75	188	14826
52	42	94	6047		0	2	2	40	90	76	166	14211
93	46	139	6219		2	2	4	34	158	104	262	14474
136	64	200	7263		3	5	8	57	213	121	334	17175
219	94	313	5335		3	10	13	33	382	186	568	12214
201	72	273	3605		7	5	12	33	340	138	478	7879
829	396	1225	40537		18	28	46	277	1389	762	2151	94006
351	254	605	18275		11	21	32	161	672	513	1185	44584
439	302	741	19345		16	24	40	185	829	587	1416	48253
478	358	836	18926		10	22	32	179	922	662	1584	45940
625	472	1097	19022		16	32	48	153	1202	938	2140	46819
1025	753	1778	23797		27	47	74	225	1960	1434	3394	59137
1642	1118	2760	18248		44	82	126	182	3129	2036	5165	42767
1274	819	2093	13286		27	59	86	131	2375	1478	3853	29823
5834	4076	9910	130899		151	287	438	1216	11089	7648	18737	317323

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NOR -- Drivers whose condition was reported by police as "normal"

Table 5

**DIRVERS IN TRAFFIC CRASHES:
MONTH OF YEAR
ONTARIO 1987**

Month of Year	Property Damage			
	HBD	IMP	D/D	NOR
Male				
January	385	212	597	14147
February	330	210	540	10991
March	325	252	577	9146
April	294	223	517	8276
May	383	298	681	10040
June	360	248	608	10352
July	403	261	664	10259
August	447	239	686	10502
September	398	257	655	10959
October	437	304	741	12228
November	434	244	678	12717
December	366	199	565	12399
TOTAL	4562	2947	7509	132016
Female				
January	46	26	72	5603
February	38	24	62	4388
March	32	24	56	3641
April	36	31	67	3475
May	42	24	66	3860
June	52	32	84	4190
July	43	31	74	3999
August	50	26	76	3939
September	43	36	79	4314
October	52	38	90	5128
November	53	27	80	5364
December	55	19	74	5291
TOTAL	542	338	880	53192
Total				
January	431	238	669	19750
February	368	234	602	15379
March	357	276	633	12787
April	330	254	584	11751
May	425	322	747	13900
June	412	280	692	14542
July	446	292	738	14258
August	497	265	762	14441
September	441	293	734	15273
October	489	342	831	17356
November	487	271	758	18081
December	421	218	639	17690
TOTAL	5104	3285	8389	185208

Personal Injury					Fatal				Total			
HBD	IMP	D/D	NOR		HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
255	242	497	7119		6	11	17	67	646	465	1111	21333
258	259	517	5908		7	12	19	67	595	481	1076	16966
337	287	624	5346		2	14	16	44	664	553	1217	14536
372	296	668	6150		7	13	20	44	673	532	1205	14470
508	336	844	7640		14	30	44	89	905	664	1569	17769
519	347	866	8883		15	26	41	93	894	621	1515	19328
523	326	849	8807		14	28	42	112	940	615	1555	19178
543	341	884	8886		22	32	54	89	1012	612	1624	19477
475	341	816	8438		11	29	40	88	884	627	1511	19485
503	368	871	8677		18	26	44	87	958	698	1656	20992
391	298	689	7549		9	25	34	86	834	567	1401	20352
321	239	560	6959		8	13	21	73	695	451	1146	19431
5005	3680	8685	90362		133	259	392	939	9700	6886	16586	223317
38	30	68	3302		2	0	2	22	86	56	142	8927
39	28	67	2550		0	1	1	17	77	53	130	6955
56	24	80	2418		1	0	14	17	89	48	150	6076
57	31	88	2657		2	2	4	14	95	64	159	6146
88	49	137	3368		3	4	7	26	133	77	210	7254
91	28	119	3999		2	4	6	31	145	64	209	8220
74	34	108	3617		3	5	8	22	120	70	190	7638
95	33	128	3653		2	2	4	29	147	61	208	7621
83	51	134	3843		1	1	2	26	127	88	215	8183
89	40	129	4021		1	3	4	30	142	81	223	9179
63	28	91	3676		1	3	4	20	117	58	175	9060
56	20	76	3433		0	3	3	23	111	42	153	8747
829	396	1225	40537		18	28	59	277	1389	762	2164	94006
293	272	565	10421		8	11	19	89	732	521	1253	30260
297	287	584	8458		7	13	20	84	672	534	1206	23921
393	311	704	7764		3	14	30	61	753	601	1367	20612
429	327	756	8807		9	15	24	58	768	596	1364	20616
596	385	981	11008		17	34	51	115	1038	741	1779	25023
610	375	985	12882		17	30	47	124	1039	685	1724	27548
597	360	957	12424		17	33	50	134	1060	685	1745	26816
638	374	1012	12539		24	34	58	118	1159	673	1832	27098
558	392	950	12281		12	30	42	114	1011	715	1726	27668
592	408	1000	12698		19	29	48	117	1100	779	1879	30171
454	326	780	11225		10	28	38	106	951	625	1576	29412
377	259	636	10392		8	16	24	96	806	493	1299	28178
5834	4076	9910	130899		151	287	451	1216	11089	7648	18750	317323

KEY: HBD -- Drivers reported by police to have been drinking

IMP -- Drivers judged by police to have their ability to drive impaired by alcohol

D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP

NOR -- Drivers whose condition was reported by police as "normal"

Table 6

**DRINKING DRIVERS IN TRAFFIC CRASHES:
ANNUAL NUMBER, RATE PER 1,000 POPULATION
AND RATE PER 1,000 LICENSED DRIVERS
ONTARIO, 1980-1987**

Year	Number of Crash-Involved Drinking Drivers	Population of Ontario*	Drinking Drivers Per 1,000 Population	Number of Licensed Drivers	Drinking Drivers Per 1,000 Licensed Drivers
1980	33,101	8,569,700	3.50	4,993,531	6.63
1981	29,730	8,625,110	3.45	5,123,177	5.80
1982	26,588	8,706,960	3.05	5,247,198	5.07
1983	24,102	8,789,590	2.74	5,380,259	4.48
1984	23,888	8,873,010	2.69	5,513,911	4.33
1985	20,859	8,957,210	2.33	5,660,422	3.69
1986	17,723	9,113,000	1.94	5,817,799	3.05
1987	18,737	9,270,700	2.02	5,978,105	3.13

*Figure for 1980 - Intercensal Estimate, Statistics Canada, Catalogue 91-521.

Figure for 1981 - Census of Canada.

Figures for 1982-85 are estimated assuming a constant rate of increase from 1981-1986.

Figures for 1986 and 1987 - Postcensal estimates (by regression method), Statistics Canada, Catalogue 91-211, November 1988.

Table 7

**AGE AND SEX OF DRIVERS IN LICENSED
AND CRASH-INVOLVED POPULATIONS
ONTARIO, 1987**

AGE & SEX	No. of Drivers Licensed	% of Licensed Drivers	Crash- Involved HBD	% of Drivers HBD	Crash- Involved IMP	% of Drivers IMP	Crash- Involved D/D	% of Drivers D/D	Crash- Involved NOR	% of Drivers NOR
Male										
16-18	117004	3.5%	658	6.8%	236	3.4%	894	5.4%	16412	7.4%
19-24	422507	12.7%	3410	35.3%	1811	26.4%	5221	31.6%	46486	21.0%
25-34	821516	24.8%	3258	33.7%	2492	36.3%	5750	34.8%	61035	27.6%
35-44	697032	21.0%	1264	13.1%	1197	17.4%	2461	14.9%	40375	18.2%
45-54	487279	14.7%	598	6.2%	625	9.1%	1223	7.4%	25812	11.7%
55-64	416013	12.5%	339	3.5%	382	5.6%	721	4.4%	18760	8.5%
65+	354538	10.7%	136	1.4%	125	1.8%	261	1.6%	12377	5.6%
Total	3315889	100%	9663	100%	6868	100%	16531	100%	221257	100%
Female										
16-18	88092	3.3%	98	7.1%	23	3.0%	121	5.7%	7172	7.7%
19-24	340640	12.8%	441	31.9%	156	20.6%	597	27.9%	18250	19.6%
25-34	723410	27.2%	468	33.8%	280	36.9%	748	34.9%	26429	28.3%
35-44	609821	22.9%	240	17.4%	183	24.1%	423	19.8%	20074	21.5%
45-54	378743	14.2%	81	5.9%	77	10.2%	158	7.4%	10289	11.0%
55-64	292852	11.0%	28	2.0%	31	4.1%	59	2.8%	6547	7.0%
65+	228658	8.6%	27	2.0%	8	1.1%	35	1.6%	4577	4.9%
Total	2662216	100%	1383	100%	758	100%	2141	100%	93338	100%
Both										
16-18	205096	3.4%	756	6.8%	259	3.4%	1015	5.4%	23584	7.4%
19-24	763147	12.8%	3851	34.7%	1967	25.7%	5818	31.1%	64736	20.4%
25-34	1544926	25.8%	3726	33.6%	2772	36.2%	6498	34.7%	87464	27.6%
35-44	1306853	21.9%	1504	13.6%	1380	18.0%	2884	15.4%	60449	19.0%
45-54	866022	14.5%	679	6.1%	702	9.2%	1381	7.4%	36101	11.4%
55-64	708865	11.9%	367	3.3%	413	5.4%	780	4.2%	25307	8.0%
65+	583196	9.8%	163	1.5%	133	1.7%	296	1.6%	16954	5.3%
Total	5978105	100%	11089	100%	7648	100%	18737	100%	317323	100%

Table 8
ALCOHOL USE AMONG DRIVER FATALITIES:
ONTARIO, 1987*

Category of Drivers	Number of Drivers	Number Tested for BAC	Had Been Drinking	Over 80 mg%	Drivers Grouped By BAC (mg%)				
					Zero	1-49	50-80	81-150	>150
Age									
< 16	22	5	1	0	4	1	0	0	0
16 - 19	102	74	26	18	48	6	2	10	8
20 - 25	191	161	98	83	63	5	10	28	55
26 - 35	181	150	89	79	61	7	3	9	70
36 - 45	93	73	33	27	40	6	0	8	19
46 - 55	50	37	11	9	26	1	1	0	9
> 55	149	106	31	28	75	3	0	10	18
Sex									
Male	635	494	267	225	227	26	16	60	165
Female	153	112	22	19	90	3	0	5	14
Type of Vehicle									
Automobile	471	377	166	139	211	16	11	33	106
Motorcycle / Moped	124	98	52	43	46	7	2	18	25
Truck / Van	88	68	43	38	25	4	1	5	33
Tractor-Trailer	11	8	0	0	8	0	0	0	0
Type of Collision									
Single-Vehicle	329	265	180	160	85	12	8	35	125
Multiple-Vehicle	457	341	109	84	232	17	8	30	54
Unknown	2	0	0	0	0	0	0	0	0
Total	788	606	289	244	317	29	16	65	179

* Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

Table 9

ALCOHOL USE AMONG DRIVER FATALITIES ONTARIO, 1973-1987

Year	Number of Drivers	Tested for BAC		Had Been Drinking***		Over 80 mg%		Drivers Grouped By BAC (mg%)		
		#	%	#	%	#	%	Zero	1-80	> 80
1973	773	713	92.2%	384	53.9%	315	44.2%	329	69	315
1974	720	648	90.0%	362	55.9%	281	43.4%	286	81	281
1975	754	698	92.6%	410	58.7%	305	43.7%	288	105	305
1976	618	542	87.7%	320	59.0%	252	46.5%	222	68	252
1977	613	540	88.1%	304	56.3%	243	45.0%	236	61	243
1978	589	558	94.7%	310	55.6%	256	45.9%	248	54	256
1979	591	536	90.7%	319	59.5%	255	47.6%	217	64	255
1980	643	591	91.9%	339	57.4%	283	47.9%	252	56	283
1981	672	632	94.0%	378	59.8%	312	49.4%	254	66	312
1982	550	515	93.6%	288	55.9%	240	46.6%	227	48	240
1983	597	553	92.6%	297	53.7%	244	44.1%	256	53	244
1984	530	492	92.8%	267	54.3%	221	44.9%	225	46	221
1985	539	502	93.1%	260	51.8%	200	39.8%	242	60	200
1986	526	497	94.5%	257	51.7%	215	43.3%	240	42	215
1987	609	528	86.7%	250	47.3%	211	40.0%	278	39	211
Average	622	570	91.6%	316	55.5%	256	44.9%	253	61	256

* Source: Fatality Database, Traffic Injury Research Foundation of Canada.

(Data from Ontario obtained with the cooperation and assistance of the Office of Chief Coroner for Ontario and the Ministry of Transportation. TIRF's Fatality Database is jointly sponsored by the Canadian Council of Motor Transport Administrators and Transport Canada.)

** Drivers of highway vehicles (operators of farm tractors, snowmobiles, and bicycles excluded), 16 years of age or older, dying within 6 hours of crash involvement.

*** In this table, "had been drinking" means any amount of alcohol detected in blood samples, INCLUDING blood alcohol concentrations over 80 mg%.

Table 10

NORMAL AND DRINKING DRIVERS INVOLVED IN CRASHES DURING 1987: RATES FOR ONTARIO'S COUNTIES AND REGIONAL MUNICIPALITIES

JURISDICTION	POPULATION	NORMAL DRIVERS			DRINKING DRIVERS			% Drivers Drinking
		Number	Rate	Rank	Number	Rate	Rank	
Algoma	132600	3601	27.2	29	263	2.0	38	6.8%
Brant	108200	3079	28.5	25	277	2.6	19	8.3%
Bruce	58900	1112	18.9	46	142	2.4	24	11.3%
Cochrane	94300	2426	25.7	33	181	1.9	40	6.9%
Dufferin	33800	1288	38.1	3	93	2.8	13	6.7%
Durham	337100	10725	31.8	18	835	2.5	21	7.2%
Elgin	71300	1604	22.5	41	142	2.0	37	8.1%
Essex	319700	10598	33.1	15	850	2.7	17	7.4%
Frontenac	117500	3802	32.4	17	236	2.0	36	5.8%
Grey	74400	2006	27.0	31	199	2.7	16	9.0%
Haldimand-Norfolk	91900	2000	21.8	44	276	3.0	7	12.1%
Haliburton	12300	423	34.4	11	61	5.0	1	12.6%
Halton	277100	9076	32.8	16	525	1.9	41	5.5%
Hamilton-Wentworth	432500	15519	35.9	8	718	1.7	44	4.4%
Hastings	111000	3194	28.8	22	266	2.4	25	7.7%
Huron	56300	1154	20.5	45	127	2.3	28	9.9%
Kenora	59700	1367	22.9	40	168	2.8	11	10.9%
Kent	108400	2995	27.6	28	268	2.5	22	8.2%
Lambton	126200	3117	24.7	36	326	2.6	18	9.5%
Lanark	50300	1358	27.0	30	137	2.7	14	9.2%
Leeds & Grenville	85800	2244	26.2	32	204	2.4	27	8.3%
Lennox & Addington	34700	803	23.1	39	93	2.7	15	10.4%
Manitoulin	10400	241	23.2	38	48	4.6	2	16.6%
Middlesex	338600	12254	36.2	7	622	1.8	42	4.8%
Muskoka	41000	1566	38.2	2	175	4.3	3	10.1%
Niagara	374000	12725	34.0	12	1056	2.8	9	7.7%
Nipissing	80100	2283	28.5	24	172	2.1	31	7.0%
Northumberland	69600	1930	27.7	27	196	2.8	10	9.2%
Ottawa-Carleton	618100	23047	37.3	4	923	1.5	47	3.9%
Oxford	85900	2489	29.0	21	178	2.1	34	6.7%
Parry Sound	34500	1157	33.5	14	134	3.9	4	10.4%
Peel	608100	22580	37.1	5	1023	1.7	43	4.3%
Perth	67600	1711	25.3	35	106	1.6	45	5.8%
Peterborough	106600	3214	30.2	20	255	2.4	26	7.4%
Prescott & Russell	58900	1404	23.8	37	116	2.0	39	7.6%
Prince Edward	22700	422	18.6	47	56	2.5	23	11.7%
Rainy River	23300	510	21.9	43	73	3.1	5	12.5%
Renfrew	90900	2032	22.4	42	190	2.1	33	8.6%
Simcoe	243100	8411	34.6	9	672	2.8	12	7.4%
Stormont, Dundas, Glengarry	104800	2953	28.2	26	265	2.5	20	8.2%
Sudbury District & Reg. Mun.	176600	5442	30.8	19	363	2.1	35	6.3%
Thunder Bay	156800	5425	34.6	10	448	2.9	8	7.6%
Timiskaming	40500	1028	25.4	34	85	2.1	32	7.6%
Toronto & York Region	2591900	102396	39.5	1	3985	1.5	46	3.7%
Victoria	54200	1554	28.7	23	163	3.0	6	9.5%
Waterloo	335500	12260	36.5	6	729	2.2	30	5.6%
Wellington	142600	4798	33.6	13	317	2.2	29	6.2%

APPENDIX B

**DRINKING AND DRIVING:
COUNTIES
AND
REGIONAL MUNICIPALITIES
OF ONTARIO**

1987 STATISTICS

STATISTICS ON DRINKING AND DRIVING: COUNTIES AND REGIONAL MUNICIPALITIES OF ONTARIO

The following pages, which comprise the greater part of this report, present drinking-driving statistics for Ontario's counties and regional municipalities. In particular, we report numbers of **crash-involved** drivers reported by police officers as "normal" (**NOR**), "had been drinking" (**HBD**), or "ability impaired by alcohol" (**IMP**). For each jurisdiction from 1980 through 1987, we group drivers by gender and severity of crash (*property damage, injury, fatal*).

To many readers, these tables of numbers — or, as researchers would call them, *raw data* — will no doubt seem of little use, much less of interest. We remind those readers that this **is** a *statistical* yearbook and that we have endeavored to provide a detailed (not exhaustive) account of Ontario's experience during 1987. If only in defence, we must also note that "raw data" often yield answers to questions many people ask, for example: (1) How big is the drinking-driving problem in **my** community? (2) What percentage of drivers involved in traffic crashes have consumed alcohol? (3) Are we making *progress*? In this report, we cannot offer complete answers to those questions. We have, however, processed some of the numbers to indicate **what happened** — and **what happened over time** — to the problem of drinking and driving on a *local* level.

Based on police-reported data for each county or regional municipality, therefore, we graphed the *number* of drinking and normal drivers involved in traffic crashes from 1980 through 1987. The *number of drinking drivers involved in traffic crashes* is one measure of the magnitude of the problem. Using the *ratio of crash-involved drinking drivers to crash-involved normal drivers*, we also "indexed" the problem of drinking and driving. As we discussed in Section 3 (pp. 14-15), this measure of drinking-driving problems over time (a "Problem Index") seems to "control for" certain factors (for example, economic conditions) that give rise **both** to alcohol- **and** nonalcohol-related traffic crashes — notwithstanding programs aimed to reduce impaired-driving problems. Finally, we show the percentage of crash-involved drivers reported by police to have consumed alcohol.

We could spend another page or two discussing why all these statistics might not reflect the *true* magnitude of drinking-driving problems. Here we must admit that **available data** on the causal role of alcohol in traffic crashes are *limited*. Serving (literally) on the front lines, police officers investigating traffic crashes are still the most direct, most reliable channel of information we have about drinking and driving. Drinking drivers they report may well represent the *minimum number* actually involved in traffic crashes. For example, some studies have shown that many drinking drivers escape detection by police, simply by leaving the scene of minor accidents! Nonetheless, combined with **other** data — on *fatally injured drivers*, produced by coroners, pathologists, and toxicologists; on *people who drink and drive*, generated by researchers; and on *persons convicted of impaired-driving offences*, through the criminal justice system and driver-licensing agencies — statistics we report can (and do) contribute to a better understanding of drinking-driving problems in Ontario, its counties, and regional municipalities.

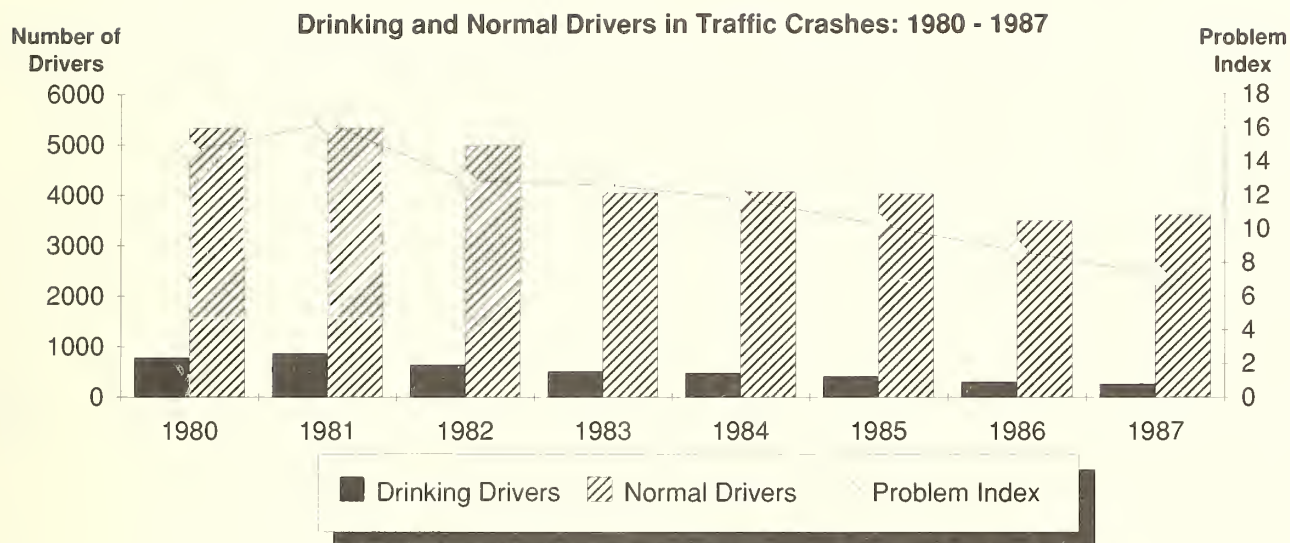
ALGOMA

Drivers Involved in Traffic Crashes, 1980 - 1987

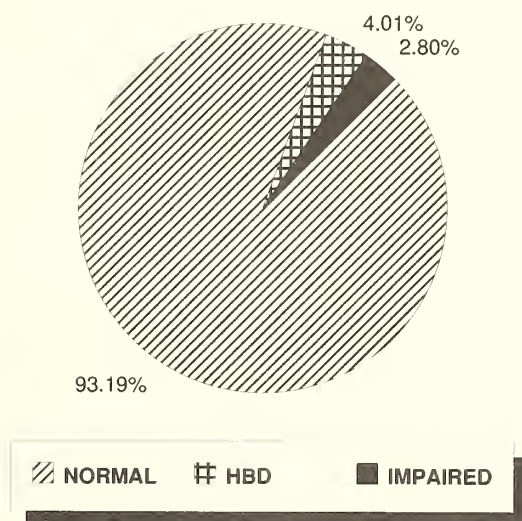
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	238	135	373	2753	216	101	317	1194	10	6	16	28	464	242	706	3975
1981	282	131	413	2663	227	126	353	1253	5	14	19	34	514	271	785	3950
1982	206	112	318	2640	163	92	255	1005	4	3	7	20	373	207	580	3665
1983	138	96	234	2070	120	83	203	834	2	5	7	12	260	184	444	2916
1984	150	78	228	2006	98	91	189	856	7	7	14	17	255	176	431	2879
1985	103	59	162	1775	109	85	194	1016	2	3	5	17	214	147	361	2808
1986	66	53	119	1499	81	50	131	914	3	8	11	21	150	111	261	2434
1987	58	49	107	1521	74	53	127	893	4	2	6	22	136	104	240	2436
Female																
1980	27	12	39	907	26	9	35	451	1	0	1	2	54	21	75	1360
1981	28	17	45	895	25	11	36	475	2	1	3	7	55	29	84	1377
1982	24	6	30	890	23	8	31	427	0	1	1	2	47	15	62	1319
1983	30	6	36	786	25	5	30	334	0	0	0	5	55	11	66	1125
1984	15	8	23	805	18	7	25	372	0	0	0	4	33	15	48	1181
1985	15	11	26	721	18	4	22	490	0	2	2	2	33	17	50	1213
1986	10	6	16	640	18	7	25	413	0	1	1	4	28	14	42	1057
1987	7	2	9	707	12	2	14	452	0	0	0	6	19	4	23	1165
Total																
1980	265	147	412	3660	242	110	352	1645	11	6	17	30	518	263	781	5335
1981	310	148	458	3558	252	137	389	1728	7	15	22	41	569	300	869	5327
1982	230	118	348	3530	186	100	286	1432	4	4	8	22	420	222	642	4984
1983	168	102	270	2856	145	88	233	1168	2	5	7	17	315	195	510	4041
1984	165	86	251	2811	116	98	214	1228	7	7	14	21	288	191	479	4060
1985	118	70	188	2496	127	89	216	1506	2	5	7	19	247	164	411	4021
1986	76	59	135	2139	99	57	156	1327	3	9	12	25	178	125	303	3491
1987	65	51	116	2228	86	55	141	1345	4	2	6	28	155	108	263	3601

KEY: HBD -- Drivers reported by police to have been drinking
IMP -- Drivers judged by police to have their ability to drive impaired by alcohol
D/D -- Sum of drivers reported by police to have consumed alcohol; D/D = HBD + IMP
NOR -- Drivers whose condition was reported by police as "normal"

ALGOMA



Condition of Drivers Involved in Traffic Crashes: 1987



BRANT

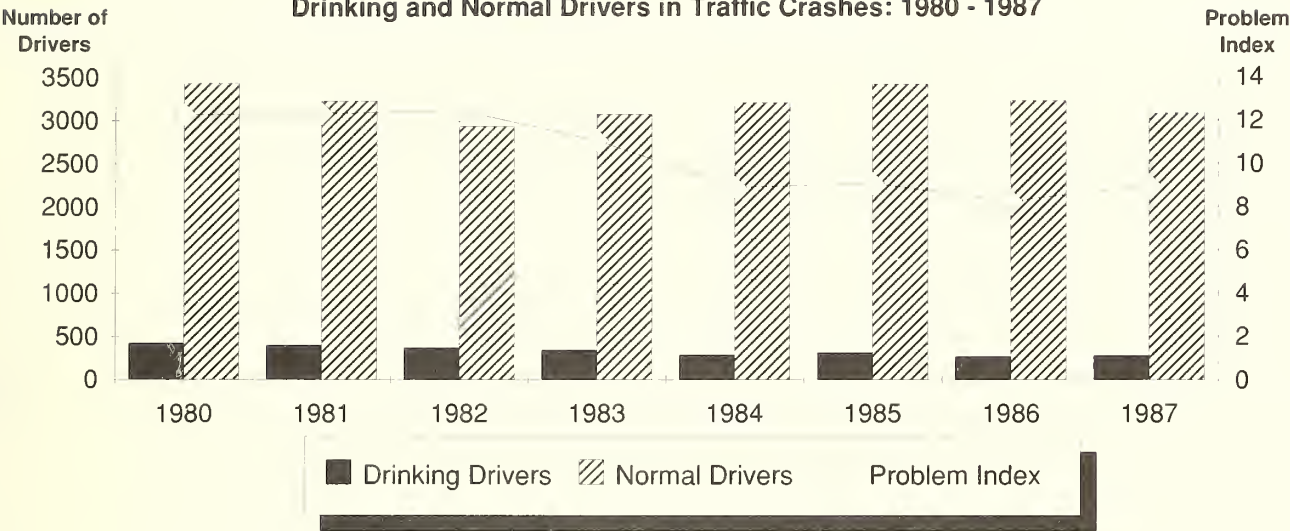
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	134	65	199	1627	112	59	171	811	3	5	8	9	249	129	378	2447
1981	114	78	192	1511	94	70	164	716	5	2	7	11	213	150	363	2238
1982	108	67	175	1362	87	41	128	619	7	8	15	6	202	116	318	1987
1983	98	59	157	1405	96	45	141	676	1	2	3	5	195	106	301	2088
1984	79	49	128	1475	82	40	122	667	1	2	3	8	162	91	253	2150
1985	77	50	127	1445	81	52	133	858	8	4	12	13	166	106	272	2316
1986	54	54	108	1354	64	56	120	792	1	3	4	11	119	113	232	2157
1987	47	54	101	1209	81	46	127	756	1	9	10	18	129	109	238	1983
Female																
1980	12	7	19	656	15	9	24	322	0	0	0	4	27	16	43	982
1981	10	3	13	655	18	2	20	329	1	0	1	3	29	5	34	987
1982	15	5	20	630	21	3	24	312	1	3	4	5	37	11	48	947
1983	18	6	24	657	12	3	15	320	0	0	0	5	30	9	39	982
1984	9	5	14	694	12	5	17	352	1	0	1	7	22	10	32	1053
1985	7	7	14	649	19	4	23	446	0	1	1	5	26	12	38	1100
1986	5	5	10	625	16	6	22	439	1	1	2	2	22	12	34	1066
1987	7	6	13	652	18	6	24	439	0	2	2	5	25	14	39	1096
Total																
1980	146	72	218	2283	127	68	195	1133	3	5	8	13	276	145	421	3429
1981	124	81	205	2166	112	72	184	1045	6	2	8	14	242	155	397	3225
1982	123	72	195	1992	108	44	152	931	8	11	19	11	239	127	366	2934
1983	116	65	181	2062	108	48	156	998	1	2	3	10	225	115	340	3070
1984	88	54	142	2169	94	45	139	1019	2	2	4	15	184	101	285	3203
1985	84	57	141	2094	100	56	156	1304	8	5	13	18	192	118	310	3416
1986	59	59	118	1979	80	62	142	1231	2	4	6	13	141	125	266	3223
1987	54	60	114	1861	99	52	151	1195	1	11	12	23	154	123	277	3079

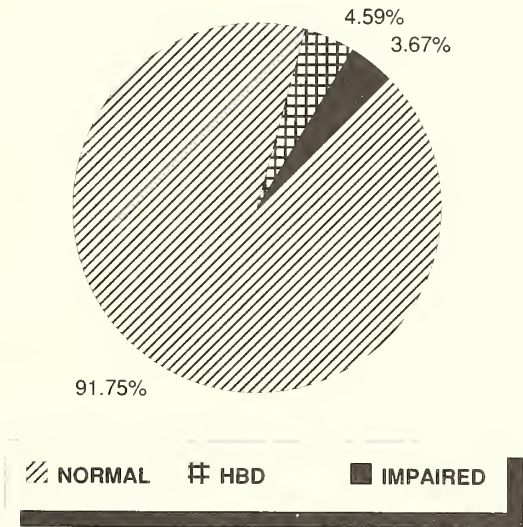
KEY: HBD -- Drivers reported by police to have been drinking
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BRANT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



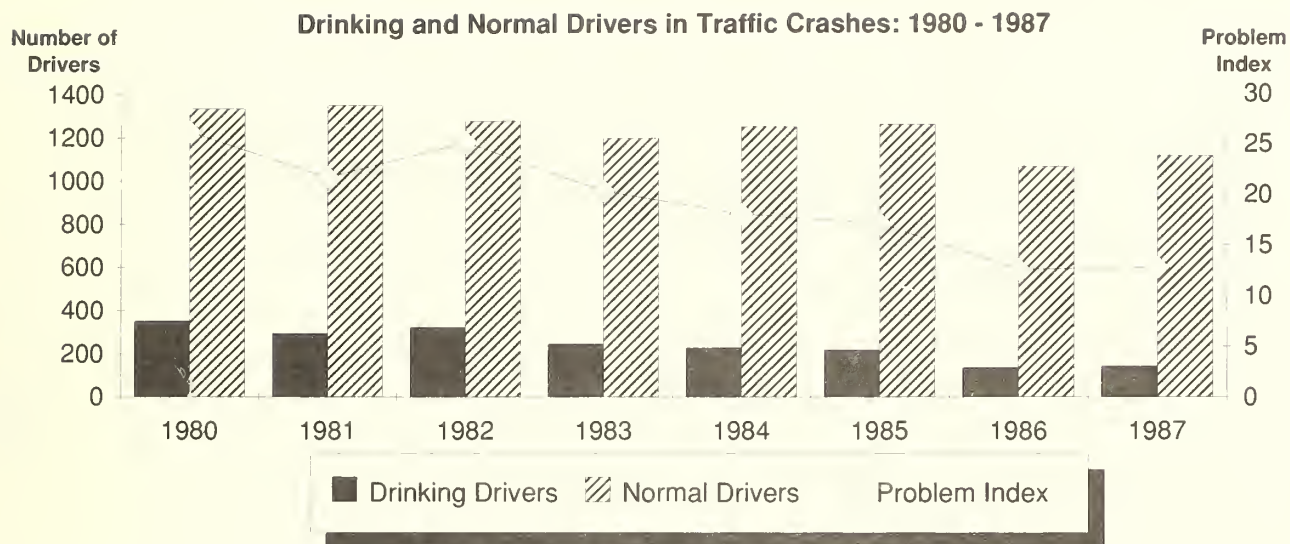
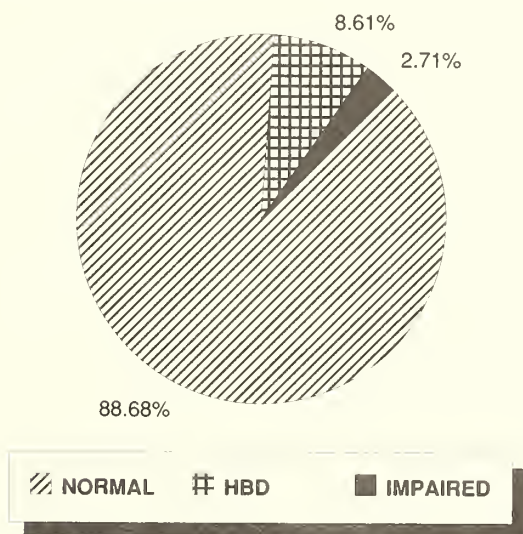
BRUCE

Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	141	46	187	671	95	27	122	319	2	4	6	13	238	77	315	1003
1981	87	33	120	713	113	28	141	290	2	5	7	6	202	66	268	1009
1982	118	29	147	602	106	30	136	293	3	4	7	9	227	63	290	904
1983	85	24	109	597	85	22	107	264	1	3	4	9	171	49	220	870
1984	56	27	83	533	87	19	106	329	1	4	5	6	144	50	194	868
1985	59	19	78	524	86	22	108	355	0	1	1	2	145	42	187	881
1986	40	14	54	453	43	15	58	243	3	5	8	6	86	34	120	702
1987	35	14	49	497	59	16	75	266	1	2	3	6	95	32	127	769
Female																
1980	14	5	19	216	15	1	16	114	1	0	1	2	30	6	36	332
1981	12	2	14	225	10	0	10	112	2	0	2	3	24	2	26	340
1982	7	2	9	243	21	2	23	128	0	0	0	1	28	4	32	372
1983	11	3	14	210	7	2	9	115	1	0	1	1	19	5	24	326
1984	14	3	17	257	13	2	15	120	0	0	0	3	27	5	32	380
1985	10	1	11	224	13	4	17	150	1	0	1	3	24	5	29	377
1986	4	1	5	229	6	3	9	130	0	0	0	2	10	4	14	361
1987	7	0	7	199	5	1	6	142	1	1	2	2	13	2	15	343
Total																
1980	155	51	206	887	110	28	138	433	3	4	7	15	268	83	351	1335
1981	99	35	134	938	123	28	151	402	4	5	9	9	226	68	294	1349
1982	125	31	156	845	127	32	159	421	3	4	7	10	255	67	322	1276
1983	96	27	123	807	92	24	116	379	2	3	5	10	190	54	244	1196
1984	70	30	100	790	100	21	121	449	1	4	5	9	171	55	226	1248
1985	69	20	89	748	99	26	125	505	1	1	2	5	169	47	216	1258
1986	44	15	59	682	49	18	67	373	3	5	8	8	96	38	134	1063
1987	42	14	56	696	64	17	81	408	2	3	5	8	108	34	142	1112

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BRUCE

**Condition of Drivers Involved in Traffic Crashes: 1987**

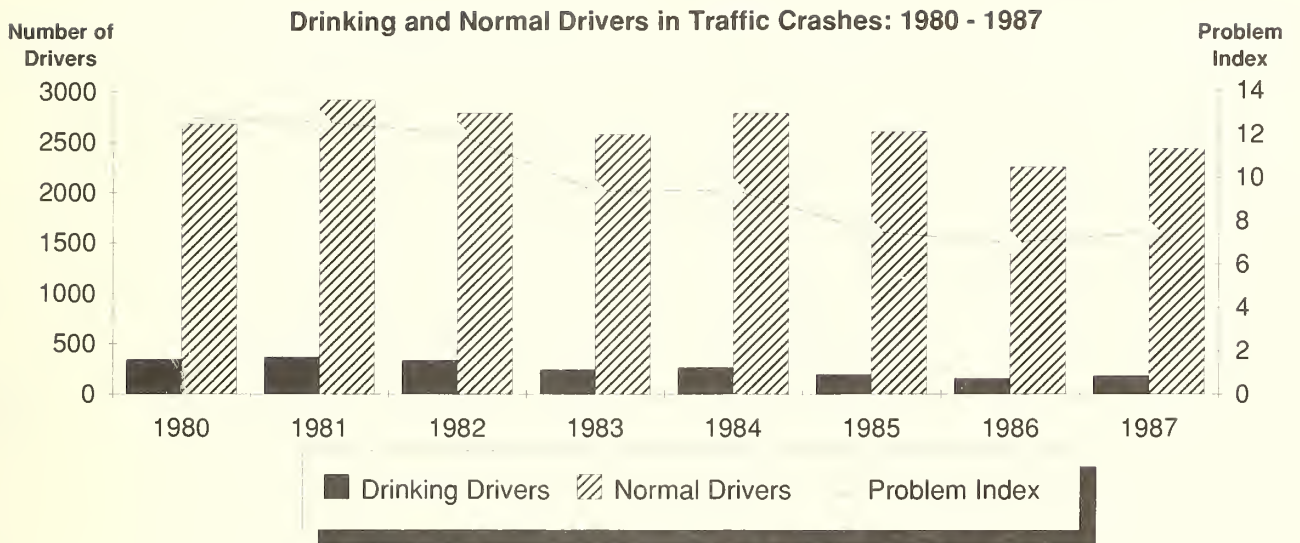
COCHRANE

Drivers Involved in Traffic Crashes, 1980 - 1987

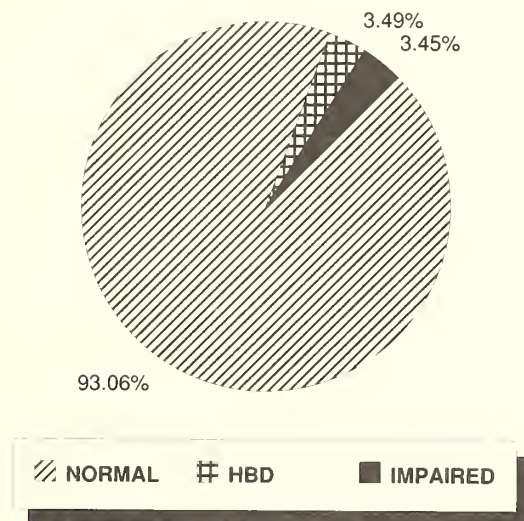
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	118	58	176	1430	83	56	139	644	7	1	8	14	208	115	323	2088
1981	115	68	183	1604	107	45	152	678	5	2	7	11	227	115	342	2293
1982	99	56	155	1500	95	52	147	657	4	4	8	16	198	112	310	2173
1983	72	35	107	1310	67	42	109	642	4	0	4	15	143	77	220	1967
1984	80	50	130	1426	62	40	102	648	1	1	2	7	143	91	234	2081
1985	47	45	92	1288	53	33	86	664	1	1	2	8	101	79	180	1960
1986	40	30	70	1064	36	30	66	545	0	4	4	5	76	64	140	1614
1987	40	35	75	1081	35	44	79	663	2	3	5	9	77	82	159	1753
Female																
1980	7	2	9	417	5	3	8	174	3	0	3	1	15	5	20	592
1981	10	5	15	427	7	4	11	197	0	0	0	2	17	9	26	626
1982	10	3	13	423	8	5	13	189	0	0	0	1	18	8	26	613
1983	9	3	12	393	4	3	7	210	1	1	2	2	14	7	21	605
1984	13	6	19	454	6	3	9	240	0	0	0	3	19	9	28	697
1985	5	3	8	390	6	0	6	246	1	0	1	1	12	3	15	637
1986	2	4	6	377	8	3	11	254	0	0	0	1	10	7	17	632
1987	3	5	8	396	10	3	13	272	1	0	1	5	14	8	22	673
Total																
1980	125	60	185	1847	88	59	147	818	10	1	11	15	223	120	343	2680
1981	125	73	198	2031	114	49	163	875	5	2	7	13	244	124	368	2919
1982	109	59	168	1923	103	57	160	846	4	4	8	17	216	120	336	2786
1983	81	38	119	1703	71	45	116	852	5	1	6	17	157	84	241	2572
1984	93	56	149	1880	68	43	111	888	1	1	2	10	162	100	262	2778
1985	52	48	100	1678	59	33	92	910	2	1	3	9	113	82	195	2597
1986	42	34	76	1441	44	33	77	799	0	4	4	6	86	71	157	2246
1987	43	40	83	1477	45	47	92	935	3	3	6	14	91	90	181	2426

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COCHRANE



Condition of Drivers Involved in Traffic Crashes: 1987



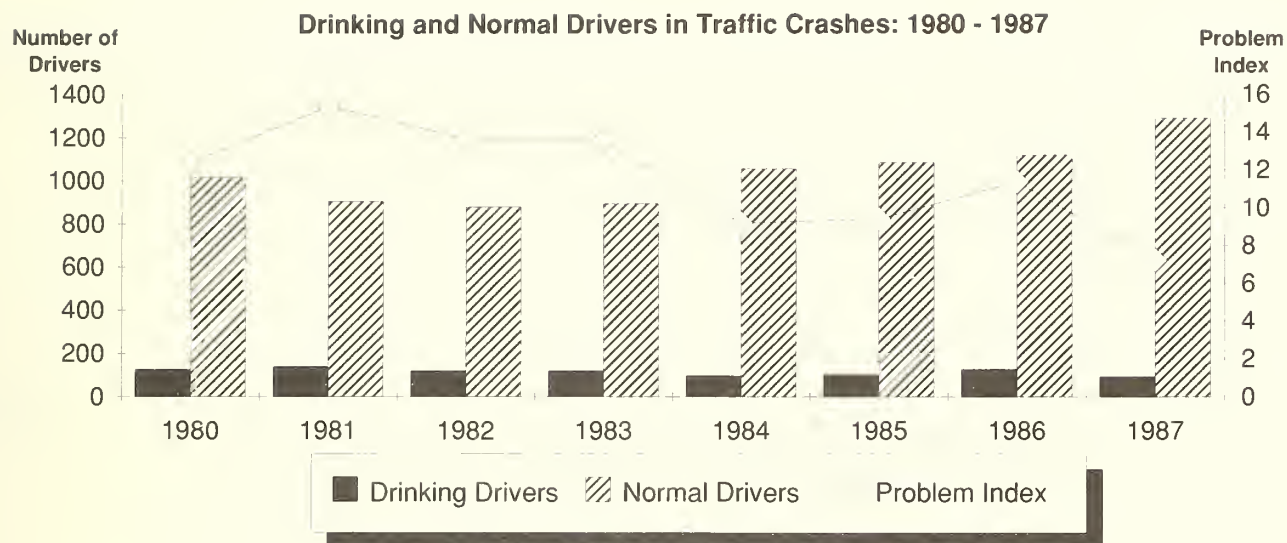
DUFFERIN

Drivers Involved in Traffic Crashes, 1980 - 1987

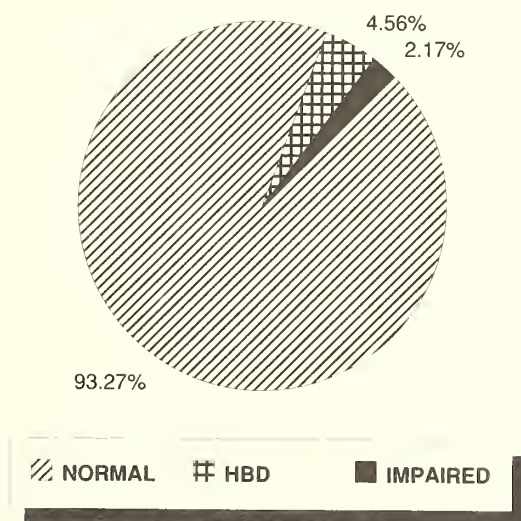
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	51	13	64	483	41	12	53	258	2	1	3	4	94	26	120	745
1981	44	12	56	414	52	11	63	242	1	4	5	5	97	27	124	661
1982	41	17	58	386	35	13	48	215	3	4	7	13	79	34	113	614
1983	37	16	53	424	37	14	51	219	2	6	8	7	76	36	112	650
1984	27	13	40	452	28	13	41	261	0	3	3	6	55	29	84	719
1985	24	11	35	460	34	19	53	306	3	0	3	2	61	30	91	768
1986	26	16	42	473	53	24	77	288	0	1	1	7	79	41	120	768
1987	27	8	35	545	24	15	39	364	2	2	4	8	53	25	78	917
Female																
1980	3	1	4	165	2	0	2	104	0	0	0	1	5	1	6	270
1981	6	3	9	150	4	1	5	93	1	0	1	0	11	4	15	243
1982	2	1	3	177	4	0	4	84	0	0	0	3	6	1	7	264
1983	3	0	3	171	3	3	6	70	0	0	0	2	6	3	9	243
1984	4	2	6	218	4	3	7	117	0	0	0	1	8	5	13	336
1985	6	0	6	184	4	0	4	132	0	1	1	0	10	1	11	316
1986	2	1	3	206	2	2	4	141	0	0	0	3	4	3	7	350
1987	0	2	2	209	10	3	13	159	0	0	0	3	10	5	15	371
Total																
1980	54	14	68	648	43	12	55	362	2	1	3	5	99	27	126	1015
1981	50	15	65	564	56	12	68	335	2	4	6	5	108	31	139	904
1982	43	18	61	563	39	13	52	299	3	4	7	16	85	35	120	878
1983	40	16	56	595	40	17	57	289	2	6	8	9	82	39	121	893
1984	31	15	46	670	32	16	48	378	0	3	3	7	63	34	97	1055
1985	30	11	41	644	38	19	57	438	3	1	4	2	71	31	102	1084
1986	28	17	45	679	55	26	81	429	0	1	1	10	83	44	127	1118
1987	27	10	37	754	34	18	52	523	2	2	4	11	63	30	93	1288

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DUFFERIN



Condition of Drivers Involved in Traffic Crashes: 1987



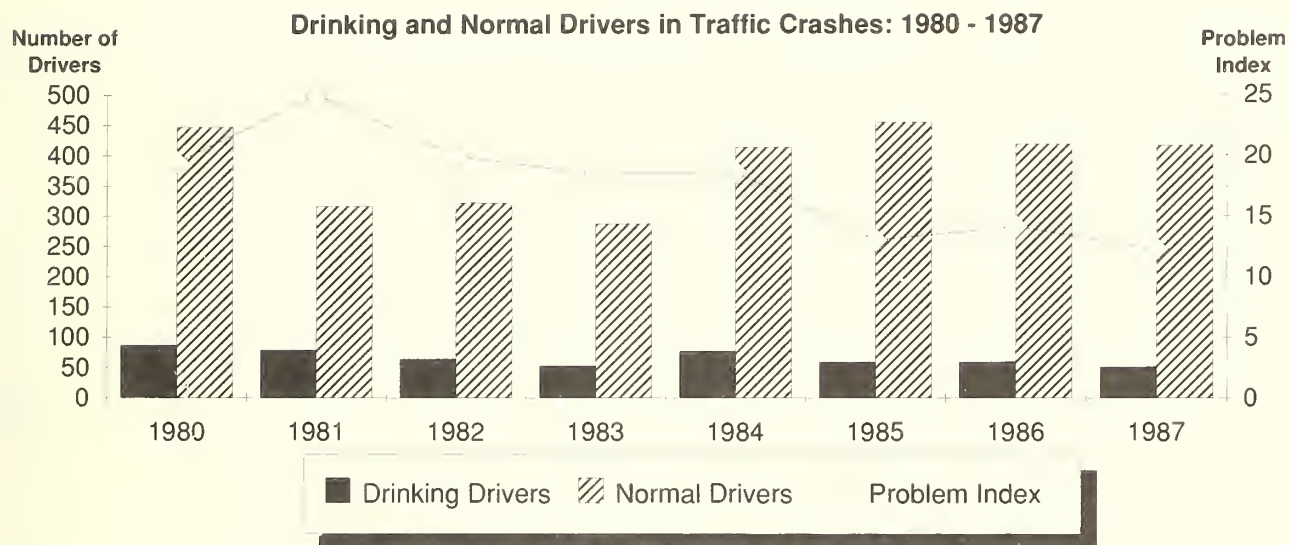
DUNDAS

Drivers Involved in Traffic Crashes, 1980 - 1987

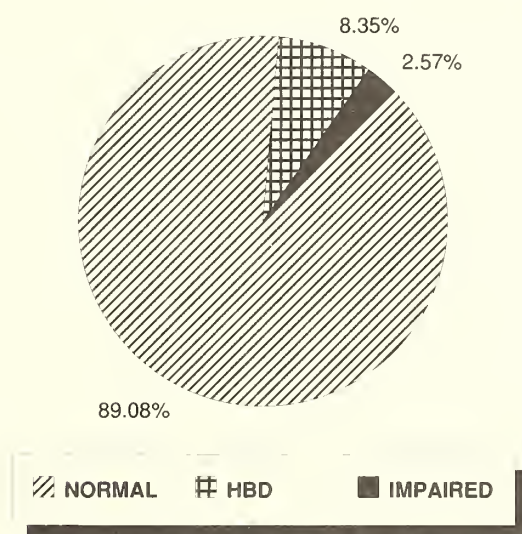
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	33	14	47	239	24	9	33	82	0	2	2	7	57	25	82	328
1981	31	10	41	164	22	6	28	69	1	2	3	6	54	18	72	239
1982	28	4	32	170	15	5	20	60	3	1	4	4	46	10	56	234
1983	23	3	26	131	17	5	22	61	0	1	1	6	40	9	49	198
1984	28	7	35	206	23	13	36	88	1	1	2	5	52	21	73	299
1985	19	5	24	203	19	10	29	112	0	1	1	2	38	16	54	317
1986	17	9	26	202	16	9	25	98	2	1	3	0	35	19	54	300
1987	16	5	21	174	19	7	26	117	0	0	0	3	35	12	47	294
Female																
1980	3	0	3	87	1	1	2	31	0	0	0	1	4	1	5	119
1981	2	1	3	54	4	0	4	22	0	0	0	1	6	1	7	77
1982	2	0	2	60	5	0	5	25	1	0	1	2	8	0	8	87
1983	3	0	3	58	1	0	1	30	0	0	0	1	4	0	4	89
1984	2	1	3	80	1	0	1	34	0	0	0	0	3	1	4	114
1985	1	0	1	89	3	1	4	47	0	0	0	1	4	1	5	137
1986	2	0	2	82	1	2	3	36	0	0	0	0	3	2	5	118
1987	1	0	1	74	3	0	3	48	0	0	0	0	4	0	4	122
Total																
1980	36	14	50	326	25	10	35	113	0	2	2	8	61	26	87	447
1981	33	11	44	218	26	6	32	91	1	2	3	7	60	19	79	316
1982	30	4	34	230	20	5	25	85	4	1	5	6	54	10	64	321
1983	26	3	29	189	18	5	23	91	0	1	1	7	44	9	53	287
1984	30	8	38	286	24	13	37	122	1	1	2	5	55	22	77	413
1985	20	5	25	292	22	11	33	159	0	1	1	3	42	17	59	454
1986	19	9	28	284	17	11	28	134	2	1	3	0	38	21	59	418
1987	17	5	22	248	22	7	29	165	0	0	0	3	39	12	51	416

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DUNDAS



Condition of Drivers Involved in Traffic Crashes: 1987



DURHAM REGIONAL MUNICIPALITY

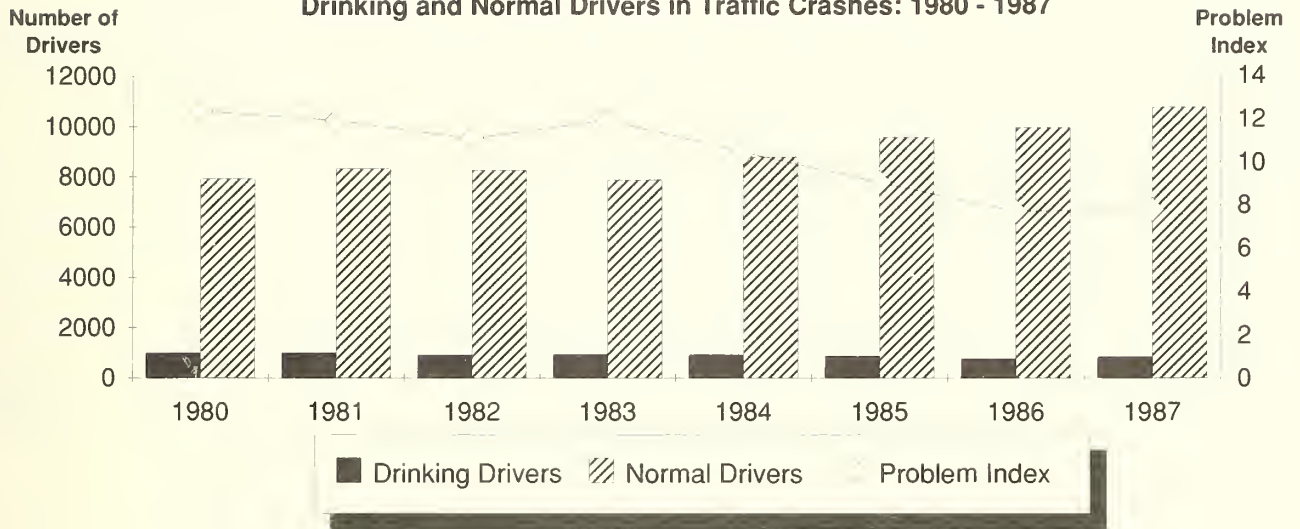
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	277	128	405	3542	308	148	456	2100	4	16	20	29	589	292	881	5671
1981	306	150	456	3849	309	121	430	2155	6	13	19	38	621	284	905	6042
1982	276	144	420	3664	268	112	380	2138	10	10	20	35	554	266	820	5837
1983	241	134	375	3525	302	130	432	1983	7	19	26	24	550	283	833	5532
1984	269	127	396	3818	295	121	416	2236	1	10	11	78	565	258	823	6132
1985	247	118	365	3795	269	131	400	2768	4	10	14	36	520	259	779	6599
1986	224	109	333	3904	235	127	362	2833	7	10	17	32	466	246	712	6769
1987	197	132	329	4188	234	163	397	3100	7	7	14	35	438	302	740	7323
Female																
1980	25	8	33	1367	52	9	61	877	1	5	6	3	78	22	100	2247
1981	19	13	32	1498	39	13	52	960	3	1	4	5	61	27	88	2463
1982	34	10	44	1455	41	9	50	943	1	0	1	9	76	19	95	2407
1983	41	12	53	1409	42	12	54	915	0	0	0	8	83	24	107	2332
1984	38	13	51	1589	31	11	42	1036	0	1	1	16	69	25	94	2641
1985	27	6	33	1677	41	9	50	1258	0	1	1	8	68	16	84	2943
1986	13	8	21	1749	24	6	30	1387	0	0	0	8	37	14	51	3144
1987	27	9	36	1842	42	15	57	1553	0	2	2	7	69	26	95	3402
Total																
1980	302	136	438	4909	360	157	517	2977	5	21	26	32	667	314	981	7918
1981	325	163	488	5162	348	134	482	3115	9	14	23	43	682	311	993	8320
1982	310	154	464	5119	309	121	430	3081	11	10	21	44	630	285	915	8244
1983	282	146	428	4934	344	142	486	2898	7	19	26	32	633	307	940	7864
1984	307	140	447	5407	326	132	458	3272	1	11	12	94	634	283	917	8773
1985	274	124	398	5472	310	140	450	4026	4	11	15	44	588	275	863	9542
1986	237	117	354	5653	259	133	392	4220	7	10	17	40	503	260	763	9913
1987	224	141	365	6030	276	178	454	4653	7	9	16	42	507	328	835	10725

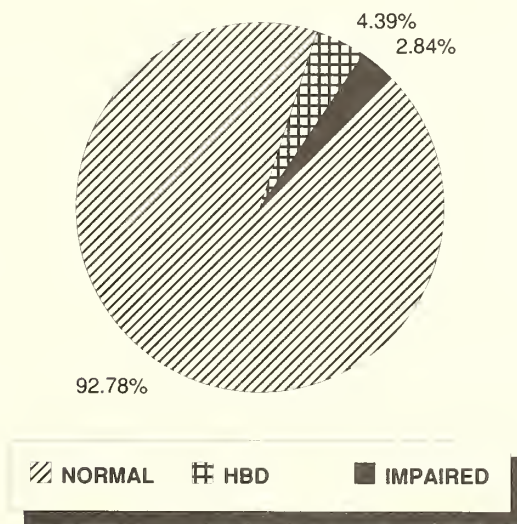
KEY: HBD -- Drivers reported by police to have been drinking
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 NOR -- Drivers whose condition was reported by police as "normal"

DURHAM REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



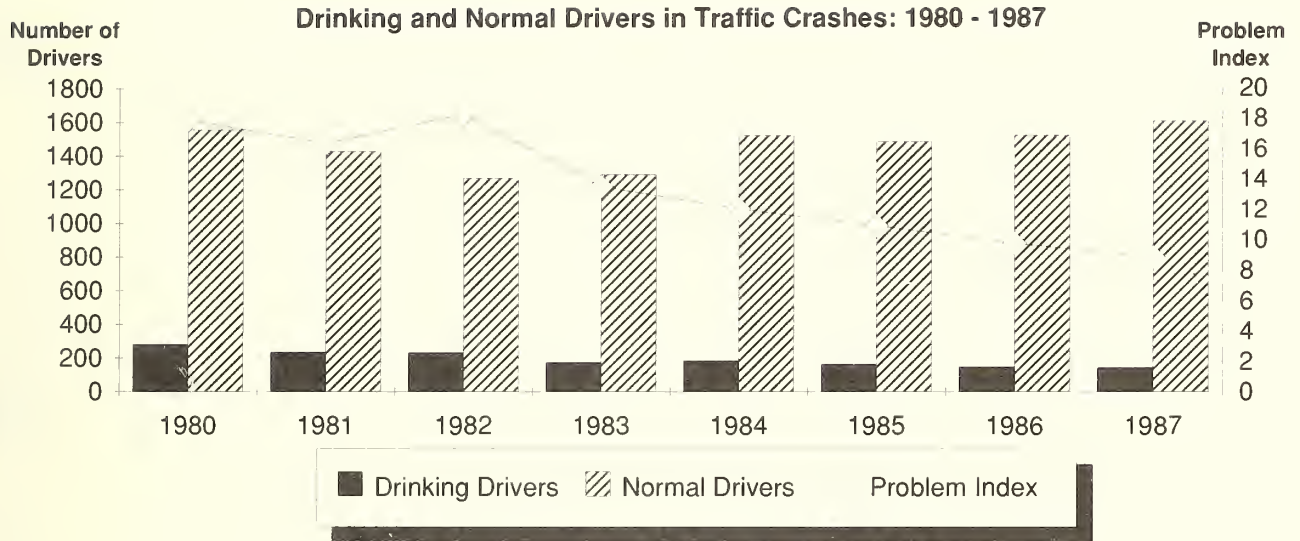
ELGIN

Drivers Involved in Traffic Crashes, 1980 - 1987

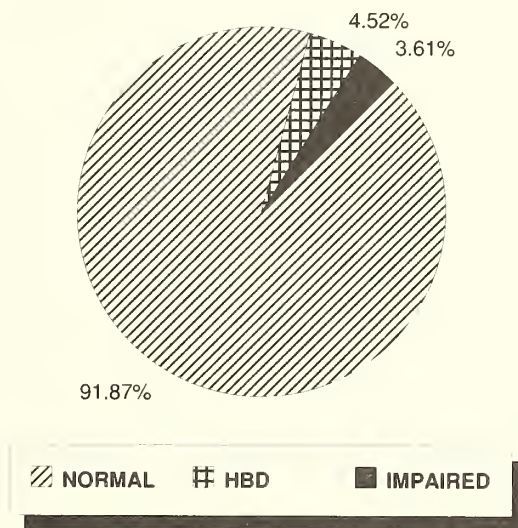
Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	80	43	123	671	80	34	114	418	4	4	8	7	164	81	245	1096
1981	73	44	117	634	62	26	88	333	3	4	7	9	138	74	212	976
1982	61	34	95	621	80	30	110	251	2	2	4	8	143	66	209	880
1983	53	28	81	574	45	31	76	290	0	2	2	5	98	61	159	869
1984	43	36	79	711	47	30	77	306	5	2	7	17	95	68	163	1034
1985	46	23	69	588	45	28	73	366	0	2	2	6	91	53	144	960
1986	38	23	61	625	39	25	64	406	0	6	6	7	77	54	131	1038
1987	34	19	53	604	31	32	63	415	1	4	5	6	66	55	121	1025
Female																
1980	8	3	11	261	15	7	22	199	1	0	1	0	24	10	34	460
1981	9	5	14	284	7	1	8	161	0	0	0	6	16	6	22	451
1982	8	2	10	248	8	3	11	136	2	0	2	3	18	5	23	387
1983	4	1	5	254	5	5	10	162	0	0	0	2	9	6	15	418
1984	4	4	8	321	10	2	12	161	0	0	0	3	14	6	20	485
1985	4	5	9	299	5	4	9	219	0	0	0	4	9	9	18	522
1986	6	3	9	267	4	4	8	211	0	0	0	2	10	7	17	480
1987	4	5	9	308	8	3	11	267	1	0	1	4	13	8	21	579
Total																
1980	88	46	134	932	95	41	136	617	5	4	9	7	188	91	279	1556
1981	82	49	131	918	69	27	96	494	3	4	7	15	154	80	234	1427
1982	69	36	105	869	88	33	121	387	4	2	6	11	161	71	232	1267
1983	57	29	86	828	50	36	86	452	0	2	2	7	107	67	174	1287
1984	47	40	87	1032	57	32	89	467	5	2	7	20	109	74	183	1519
1985	50	28	78	887	50	32	82	585	0	2	2	10	100	62	162	1482
1986	44	26	70	892	43	29	72	617	0	6	6	9	87	61	148	1518
1987	38	24	62	912	39	35	74	682	2	4	6	10	79	63	142	1604

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ELGIN



Condition of Drivers Involved in Traffic Crashes: 1987



ESSEX

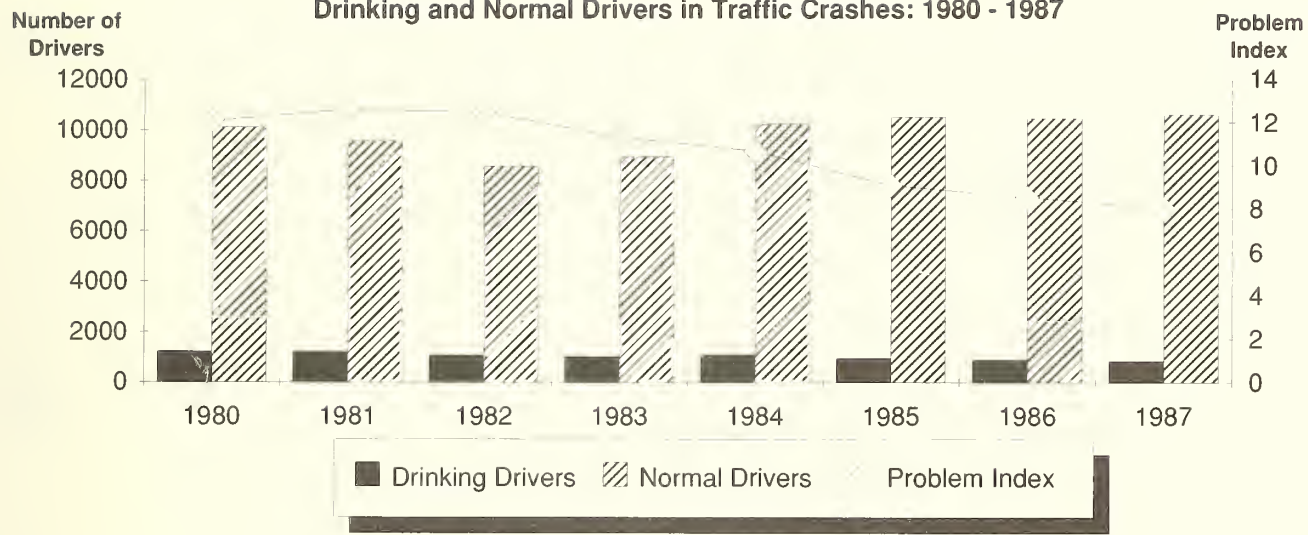
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	363	194	557	4734	400	127	527	2565	13	9	22	32	776	330	1106	7331
1981	373	162	535	4312	375	135	510	2439	13	2	15	20	761	299	1060	6771
1982	297	139	436	3785	385	124	509	2267	6	7	13	19	688	270	958	6071
1983	294	150	444	3890	332	102	434	2392	4	12	16	28	630	264	894	6310
1984	299	176	475	4468	339	153	492	2627	5	11	16	21	643	340	983	7116
1985	229	139	368	4272	332	145	477	2994	9	8	17	25	570	292	862	7291
1986	228	118	346	4162	277	132	409	2983	3	11	14	35	508	261	769	7180
1987	236	112	348	4121	241	135	376	3014	4	11	15	24	481	258	739	7159
Female																
1980	37	8	45	1749	54	14	68	1034	4	1	5	5	95	23	118	2788
1981	58	26	84	1706	52	10	62	1074	0	1	1	6	110	37	147	2786
1982	34	7	41	1535	53	15	68	942	0	2	2	9	87	24	111	2486
1983	42	13	55	1587	52	12	64	1047	1	1	2	9	95	26	121	2643
1984	38	16	54	1899	46	10	56	1210	0	1	1	5	84	27	111	3114
1985	27	16	43	1781	40	11	51	1421	0	0	0	9	67	27	94	3211
1986	29	25	54	1788	44	24	68	1474	0	2	2	6	73	51	124	3268
1987	32	19	51	1909	40	20	60	1525	0	0	0	5	72	39	111	3439
Total																
1980	400	202	602	6483	454	141	595	3599	17	10	27	37	871	353	1224	10119
1981	431	188	619	6018	427	145	572	3513	13	3	16	26	871	336	1207	9557
1982	331	146	477	5320	438	139	577	3209	6	9	15	28	775	294	1069	8557
1983	336	163	499	5477	384	114	498	3439	5	13	18	37	725	290	1015	8953
1984	337	192	529	6367	385	163	548	3837	5	12	17	26	727	367	1094	10230
1985	256	155	411	6053	372	156	528	4415	9	8	17	34	637	319	956	10502
1986	257	143	400	5950	321	156	477	4457	3	13	16	41	581	312	893	10448
1987	268	131	399	6030	281	155	436	4539	4	11	15	29	553	297	850	10598

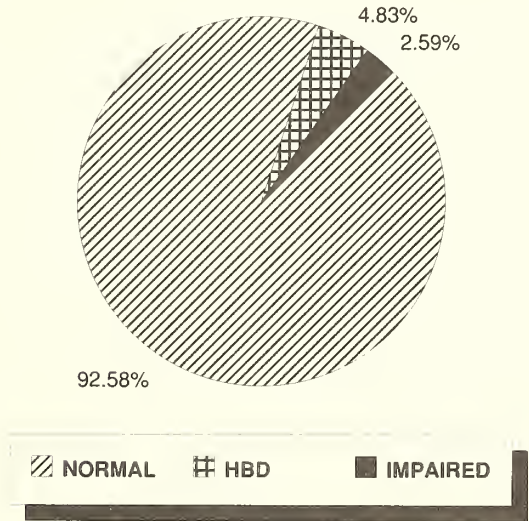
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ESSEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



FRONTENAC

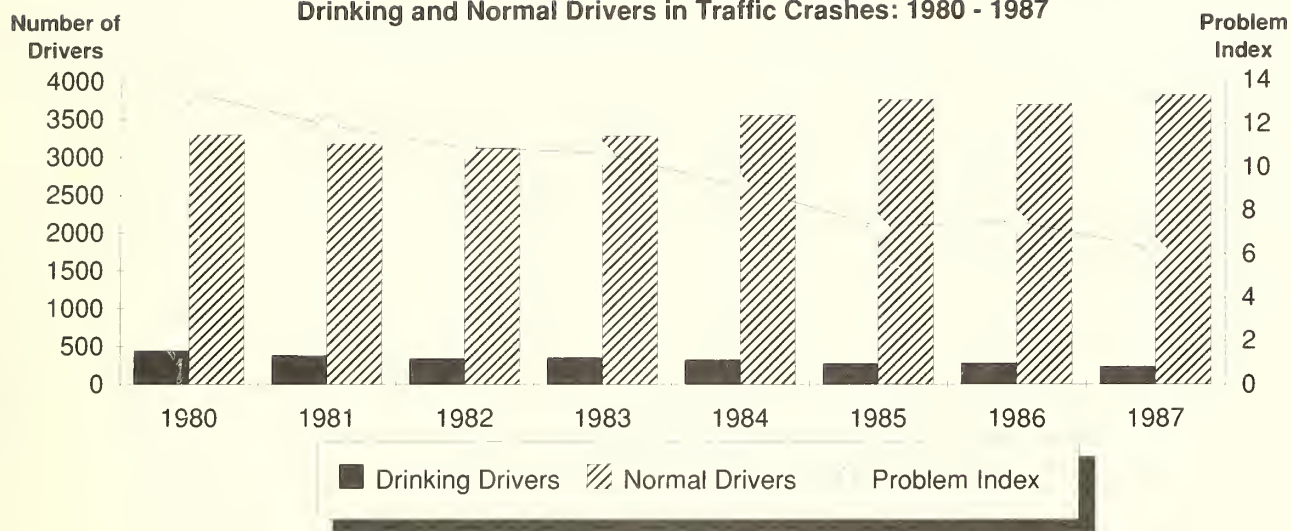
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	137	77	214	1539	118	69	187	787	0	3	3	15	255	149	404	2341
1981	106	63	169	1453	101	60	161	783	1	3	4	7	208	126	334	2243
1982	103	63	166	1429	75	61	136	728	0	7	7	3	178	131	309	2160
1983	96	58	154	1515	99	50	149	774	3	2	5	13	198	110	308	2302
1984	86	56	142	1659	83	61	144	838	0	3	3	6	169	120	289	2503
1985	70	46	116	1689	71	41	112	951	3	2	5	11	144	89	233	2651
1986	53	61	114	1584	72	51	123	902	1	7	8	14	126	119	245	2500
1987	48	59	107	1595	51	42	93	983	0	6	6	10	99	107	206	2588
Female																
1980	18	6	24	596	14	3	17	355	0	0	0	1	32	9	41	952
1981	12	5	17	588	23	6	29	338	0	0	0	3	35	11	46	929
1982	16	6	22	616	9	1	10	339	0	0	0	0	25	7	32	955
1983	16	4	20	642	15	6	21	322	0	0	0	5	31	10	41	969
1984	9	3	12	640	14	7	21	400	2	0	2	2	25	10	35	1042
1985	14	4	18	666	15	6	21	426	0	0	0	1	29	10	39	1093
1986	5	9	14	710	11	5	16	464	0	1	1	7	16	15	31	1181
1987	10	6	16	728	10	4	14	484	0	0	0	2	20	10	30	1214
Total																
1980	155	83	238	2135	132	72	204	1142	0	3	3	16	287	158	445	3293
1981	118	68	186	2041	124	66	190	1121	1	3	4	10	243	137	380	3172
1982	119	69	188	2045	84	62	146	1067	0	7	7	3	203	138	341	3115
1983	112	62	174	2157	114	56	170	1096	3	2	5	18	229	120	349	3271
1984	95	59	154	2299	97	68	165	1238	2	3	5	8	194	130	324	3545
1985	84	50	134	2355	86	47	133	1377	3	2	5	12	173	99	272	3744
1986	58	70	128	2294	83	56	139	1366	1	8	9	21	142	134	276	3681
1987	58	65	123	2323	61	46	107	1467	0	6	6	12	119	117	236	3802

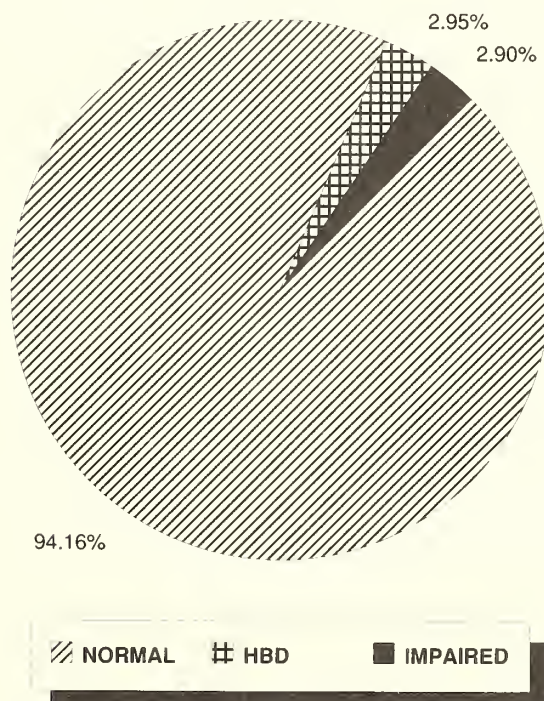
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FRONTENAC

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



GLENGARRY

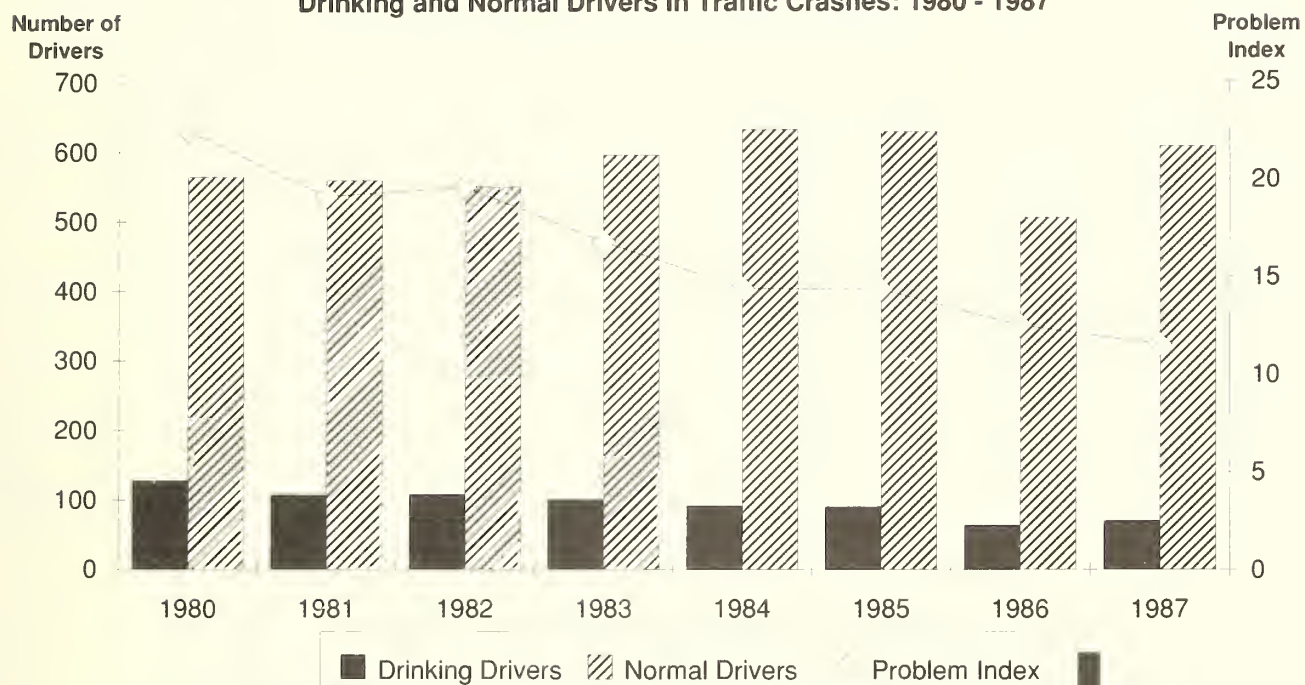
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	44	10	54	293	46	13	59	142	2	2	4	3	92	25	117	438
1981	42	7	49	271	36	10	46	146	4	0	4	7	82	17	99	424
1982	36	6	42	290	48	6	54	129	0	5	5	3	84	17	101	422
1983	37	8	45	300	41	10	51	136	0	1	1	5	78	19	97	441
1984	39	5	44	326	28	11	39	144	0	2	2	3	67	18	85	473
1985	25	14	39	310	35	7	42	160	0	0	0	2	60	21	81	472
1986	29	5	34	236	17	6	23	123	1	1	2	2	47	12	59	361
1987	29	4	33	260	17	9	26	152	3	0	3	4	49	13	62	416
Female																
1980	4	1	5	84	3	1	4	42	1	0	1	0	8	2	10	126
1981	5	0	5	88	2	1	3	47	0	0	0	0	7	1	8	135
1982	5	0	5	76	2	0	2	52	0	0	0	0	7	0	7	128
1983	2	0	2	89	1	0	1	65	0	0	0	0	3	0	3	154
1984	3	0	3	104	3	0	3	53	0	0	0	1	6	0	6	158
1985	3	1	4	103	4	0	4	53	0	1	1	0	7	2	9	156
1986	2	0	2	90	2	0	2	53	0	0	0	0	4	0	4	143
1987	0	0	0	123	5	2	7	68	0	1	1	0	5	3	8	191
Total																
1980	48	11	59	377	49	14	63	184	3	2	5	3	100	27	127	564
1981	47	7	54	359	38	11	49	193	4	0	4	7	89	18	107	559
1982	41	6	47	366	50	6	56	181	0	5	5	3	91	17	108	550
1983	39	8	47	389	42	10	52	201	0	1	1	5	81	19	100	595
1984	42	5	47	430	31	11	42	197	0	2	2	4	73	18	91	631
1985	28	15	43	413	39	7	46	213	0	1	1	2	67	23	90	628
1986	31	5	36	326	19	6	25	176	1	1	2	2	51	12	63	504
1987	29	4	33	383	22	11	33	220	3	1	4	4	54	16	70	607

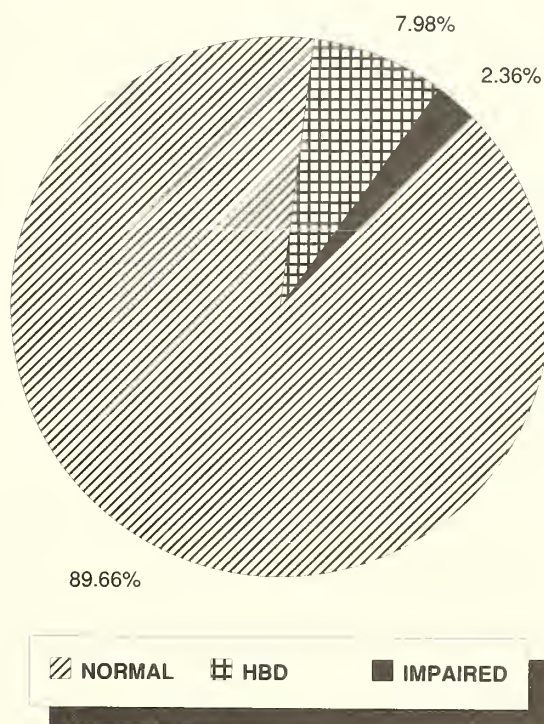
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GLENGARRY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



GRENVILLE

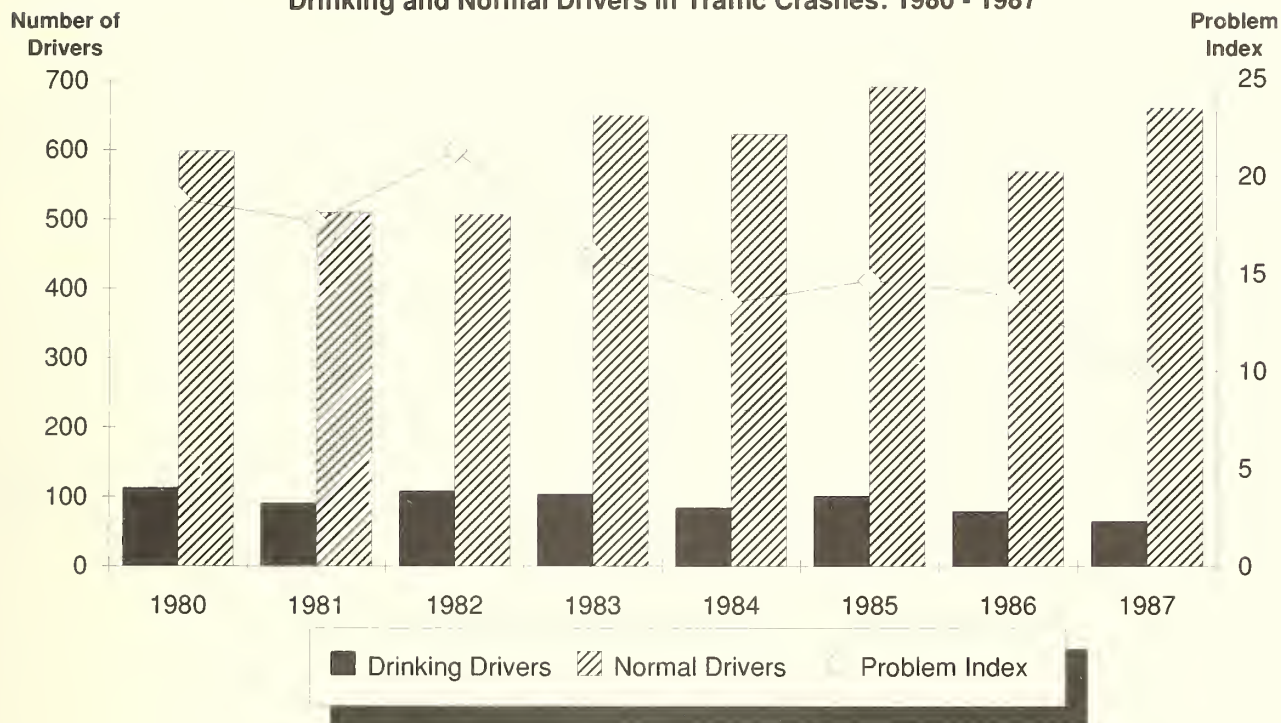
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	39	12	51	281	38	11	49	144	2	3	5	8	79	26	105	433
1981	22	11	33	246	37	9	46	119	1	0	1	8	60	20	80	373
1982	33	13	46	247	31	16	47	109	1	3	4	3	65	32	97	359
1983	32	11	43	312	33	10	43	134	1	2	3	8	66	23	89	454
1984	21	8	29	293	33	12	45	139	0	2	2	3	54	22	76	435
1985	33	8	41	315	31	8	39	158	1	2	3	10	65	18	83	483
1986	33	3	36	258	27	8	35	129	1	0	1	4	61	11	72	391
1987	19	11	30	297	24	3	27	146	0	3	3	7	43	17	60	450
Female																
1980	4	3	7	102	1	0	1	62	0	0	0	1	5	3	8	165
1981	3	1	4	91	5	0	5	44	0	1	1	1	8	2	10	136
1982	4	2	6	102	3	2	5	44	0	0	0	1	7	4	11	147
1983	4	2	6	134	8	1	9	59	0	0	0	1	12	3	15	194
1984	4	0	4	120	3	1	4	64	0	0	0	2	7	1	8	186
1985	5	0	5	133	13	0	13	71	0	0	0	2	18	0	18	206
1986	2	0	2	110	5	0	5	66	0	0	0	0	7	0	7	176
1987	1	1	2	114	2	0	2	92	1	0	1	2	4	1	5	208
Total																
1980	43	15	58	383	39	11	50	206	2	3	5	9	84	29	113	598
1981	25	12	37	337	42	9	51	163	1	1	2	9	68	22	90	509
1982	37	15	52	349	34	18	52	153	1	3	4	4	72	36	108	506
1983	36	13	49	446	41	11	52	193	1	2	3	9	78	26	104	648
1984	25	8	33	413	36	13	49	203	0	2	2	5	61	23	84	621
1985	38	8	46	448	44	8	52	229	1	2	3	12	83	18	101	689
1986	35	3	38	368	32	8	40	195	1	0	1	4	68	11	79	567
1987	20	12	32	411	26	3	29	238	1	3	4	9	47	18	65	658

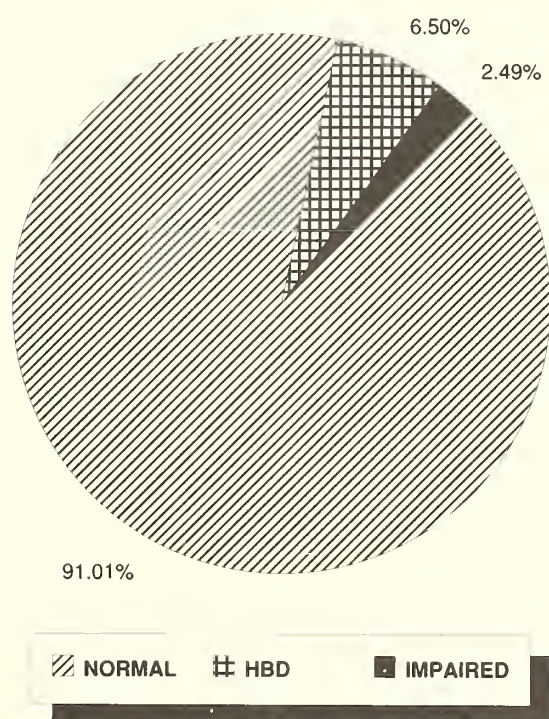
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GRENVILLE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



GREY

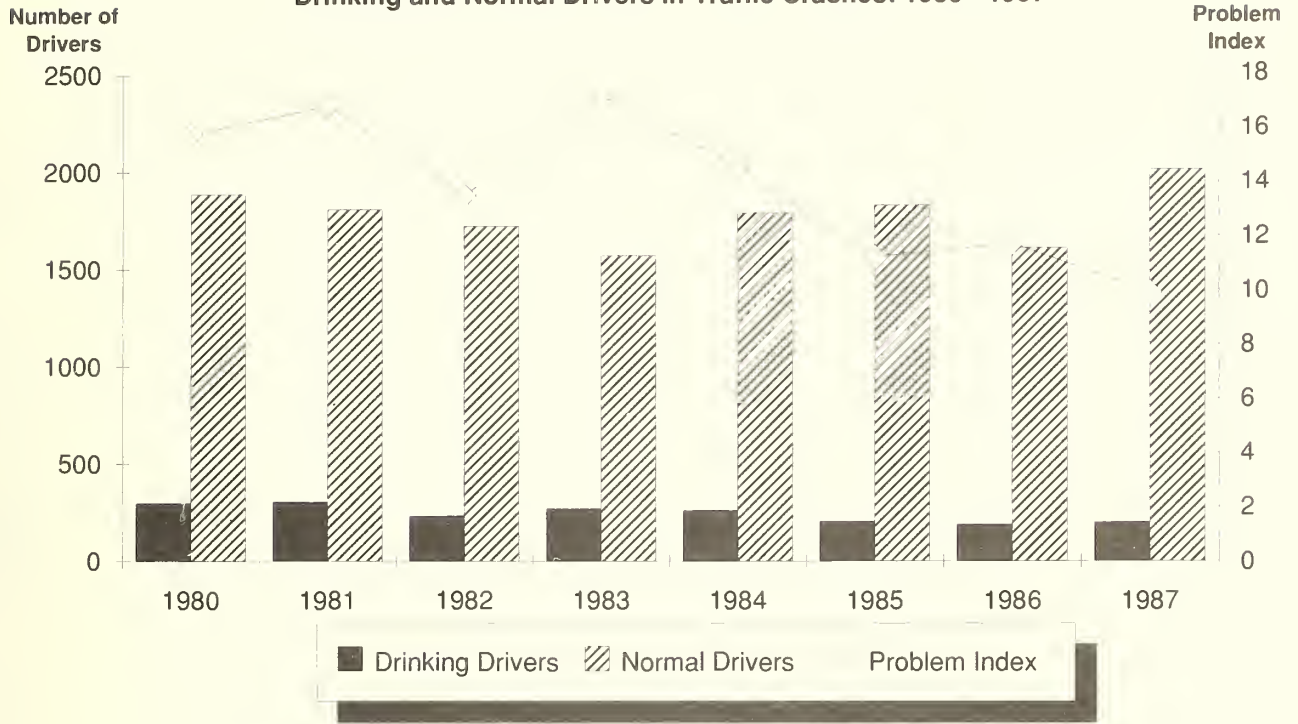
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	88	43	131	867	99	38	137	461	4	0	4	7	191	81	272	1335
1981	110	40	150	853	96	27	123	428	3	1	4	12	209	68	277	1293
1982	80	31	111	840	73	25	98	379	3	4	7	5	156	60	216	1224
1983	80	38	118	756	96	28	124	381	3	5	8	8	179	71	250	1145
1984	69	40	109	823	93	22	115	362	1	7	8	6	163	69	232	1191
1985	51	28	79	813	76	29	105	437	4	2	6	15	131	59	190	1265
1986	43	17	60	691	78	27	105	397	2	5	7	5	123	49	172	1093
1987	56	20	76	833	66	28	94	502	2	0	2	11	124	48	172	1346
Female																
1980	4	0	4	349	17	4	21	194	0	1	1	8	21	5	26	551
1981	9	3	12	319	14	1	15	195	0	1	1	2	23	5	28	516
1982	8	0	8	329	8	1	9	168	0	0	0	1	16	1	17	498
1983	7	3	10	264	9	1	10	155	0	0	0	4	16	4	20	423
1984	8	3	11	387	16	1	17	203	0	0	0	5	24	4	28	595
1985	4	4	8	331	5	1	6	228	0	1	1	1	9	6	15	560
1986	3	5	8	336	4	3	7	173	1	0	1	3	8	8	16	512
1987	3	6	9	437	14	3	17	221	0	1	1	2	17	10	27	660
Total																
1980	92	43	135	1216	116	42	158	655	4	1	5	15	212	86	298	1886
1981	119	43	162	1172	110	28	138	623	3	2	5	14	232	73	305	1809
1982	88	31	119	1169	81	26	107	547	3	4	7	6	172	61	233	1722
1983	87	41	128	1020	105	29	134	536	3	5	8	12	195	75	270	1568
1984	77	43	120	1210	109	23	132	565	1	7	8	11	187	73	260	1786
1985	55	32	87	1144	81	30	111	665	4	3	7	16	140	65	205	1825
1986	46	22	68	1027	82	30	112	570	3	5	8	8	131	57	188	1605
1987	59	26	85	1270	80	31	111	723	2	1	3	13	141	58	199	2006

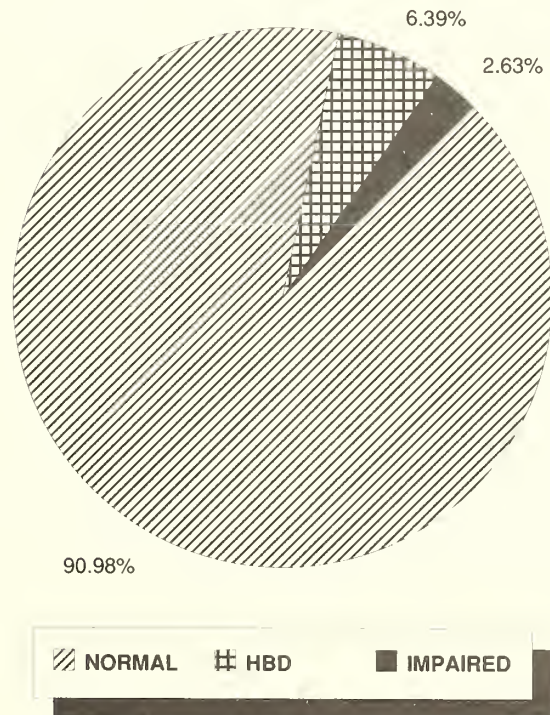
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GREY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

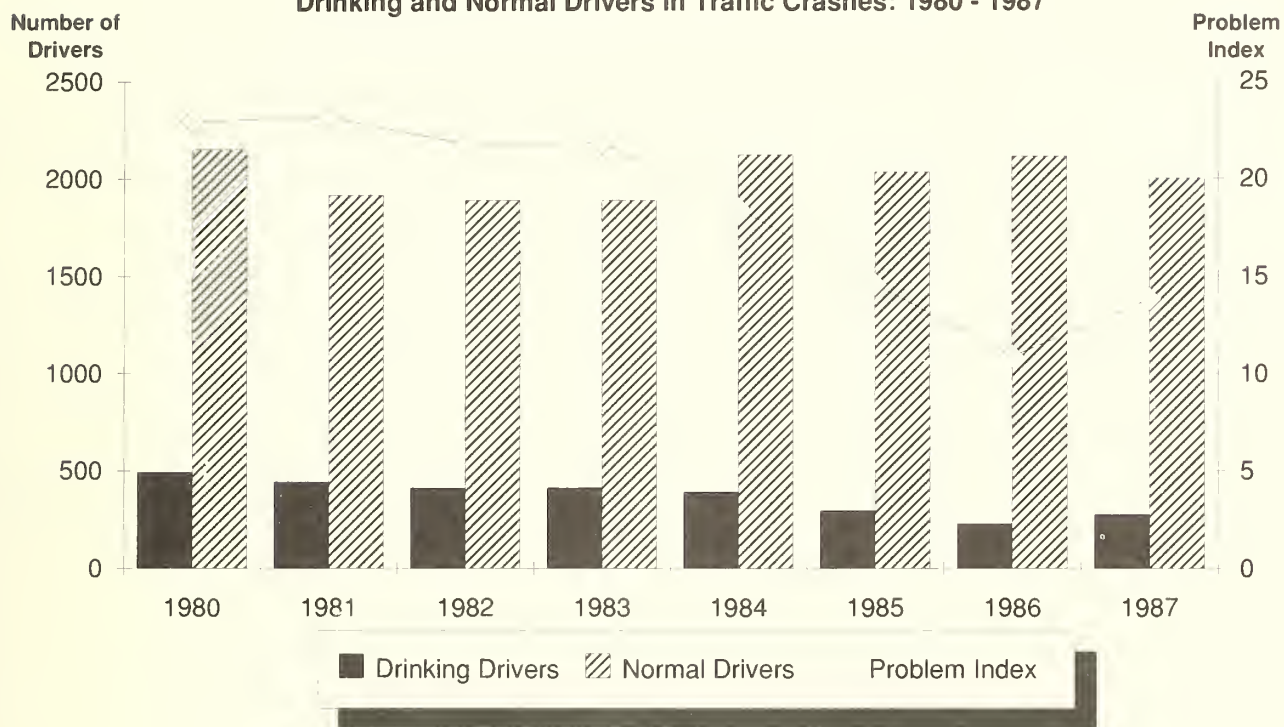
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	155	49	204	956	173	46	219	533	10	5	15	14	338	100	438	1503
1981	151	51	202	869	180	25	205	480	0	3	3	15	331	79	410	1364
1982	142	36	178	866	156	32	188	480	6	6	12	10	304	74	378	1356
1983	113	43	156	814	155	35	202	492	4	10	14	10	283	89	372	1316
1984	118	38	156	906	163	24	187	527	8	6	14	21	289	68	357	1454
1985	77	35	112	909	114	25	139	473	4	6	10	17	195	66	261	1399
1986	68	21	89	915	79	36	115	509	3	2	5	12	150	59	209	1436
1987	80	27	107	777	91	30	121	526	5	7	12	15	176	64	240	1318
Female																
1980	11	4	15	406	32	6	38	238	2	1	3	4	45	11	56	648
1981	9	4	13	342	18	3	21	207	0	0	0	3	27	7	34	552
1982	15	4	19	307	11	3	14	223	1	0	1	4	27	7	34	534
1983	16	1	17	345	21	1	22	223	1	1	2	6	38	3	41	574
1984	15	3	18	410	14	2	16	253	1	0	1	5	30	5	35	668
1985	15	3	18	390	15	2	17	241	0	0	0	2	30	5	35	633
1986	5	3	8	393	11	1	12	277	0	1	1	7	16	5	21	677
1987	13	1	14	386	20	2	22	293	0	0	0	3	33	3	36	682
Total																
1980	166	53	219	1362	205	52	257	771	12	6	18	18	383	111	494	2151
1981	160	55	215	1211	198	28	226	687	0	3	3	18	358	86	444	1916
1982	157	40	197	1173	167	35	202	703	7	6	13	14	331	81	412	1890
1983	129	44	173	1159	187	37	224	715	5	11	16	16	321	92	413	1890
1984	133	41	174	1316	177	26	203	780	9	6	15	26	319	73	392	2122
1985	92	38	130	1299	129	27	156	714	4	6	10	19	225	71	296	2032
1986	73	24	97	1308	90	37	127	786	3	3	6	19	166	64	230	2113
1987	93	28	121	1163	111	32	143	819	5	7	12	18	209	67	276	2000

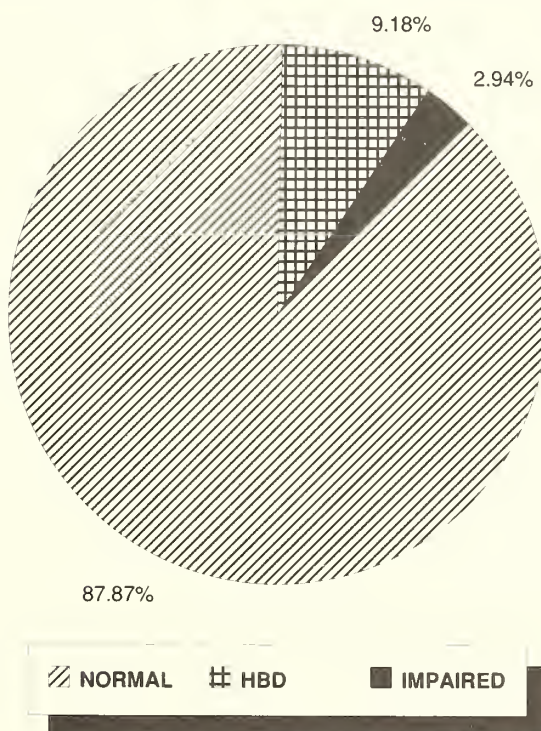
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HALDIMAND-NORFOLK REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HALIBURTON

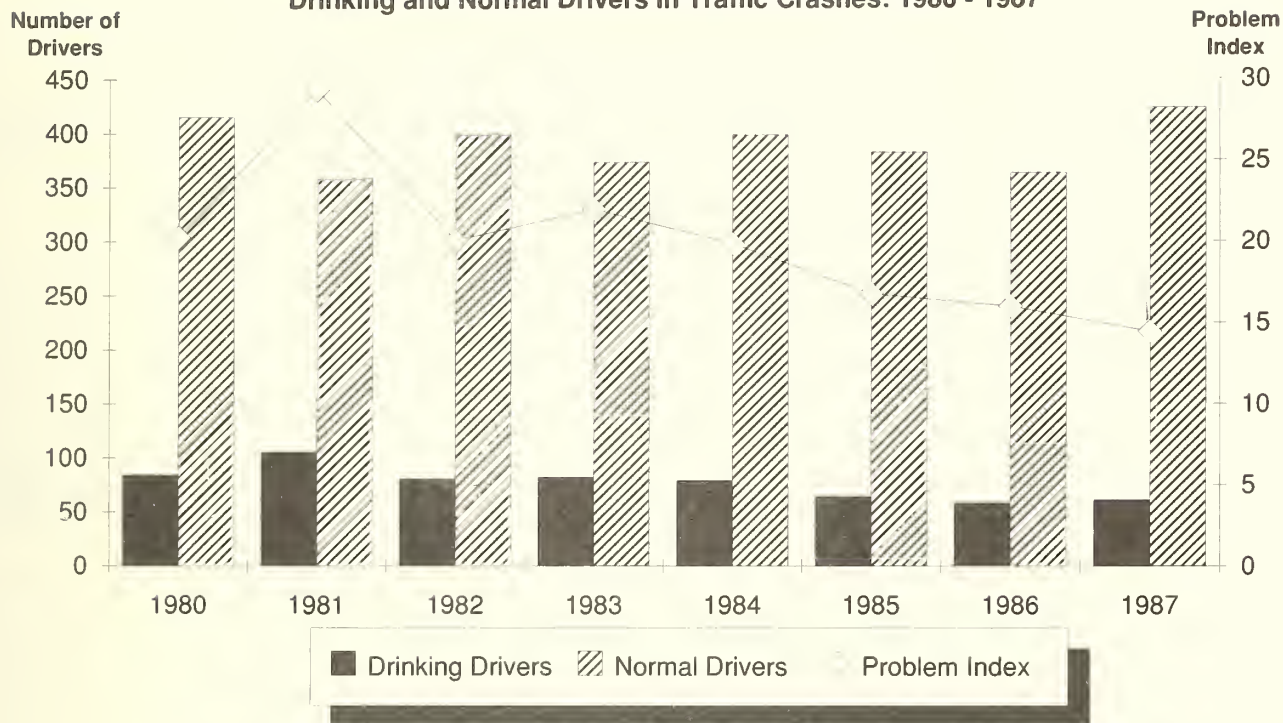
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	27	5	32	210	30	6	36	101	5	3	8	5	62	14	76	316
1981	34	10	44	181	36	12	48	83	0	1	1	0	70	23	93	264
1982	25	4	29	185	34	10	44	101	0	0	0	2	59	14	73	288
1983	34	8	42	179	25	4	29	92	0	2	2	2	59	14	73	273
1984	20	6	26	202	33	6	39	85	1	1	2	2	54	13	67	289
1985	20	4	24	191	21	8	29	78	2	1	3	3	43	13	56	272
1986	18	4	22	167	24	5	29	94	2	1	3	1	44	10	54	262
1987	29	4	33	214	12	6	18	99	2	1	3	1	43	11	54	314
Female																
1980	4	0	4	55	3	0	3	44	1	0	1	0	8	0	8	99
1981	6	2	8	49	3	1	4	43	0	0	0	2	9	3	12	94
1982	2	0	2	65	2	2	4	45	0	1	1	1	4	3	7	111
1983	2	0	2	62	6	1	7	37	0	0	0	1	8	1	9	100
1984	3	1	4	75	5	2	7	34	1	0	1	0	9	3	12	109
1985	2	0	2	60	5	0	5	49	1	0	1	1	8	0	8	110
1986	0	1	1	60	3	0	3	41	0	0	0	0	3	1	4	101
1987	2	0	2	67	5	0	5	41	0	0	0	1	7	0	7	109
Total																
1980	31	5	36	265	33	6	39	145	6	3	9	5	70	14	84	415
1981	40	12	52	230	39	13	52	126	0	1	1	2	79	26	105	358
1982	27	4	31	250	36	12	48	146	0	1	1	3	63	17	80	399
1983	36	8	44	241	31	5	36	129	0	2	2	3	67	15	82	373
1984	23	7	30	277	38	8	46	119	2	1	3	2	63	16	79	398
1985	22	4	26	251	26	8	34	127	3	1	4	4	51	13	64	382
1986	18	5	23	227	27	5	32	135	2	1	3	1	47	11	58	363
1987	31	4	35	281	17	6	23	140	2	1	3	2	50	11	61	423

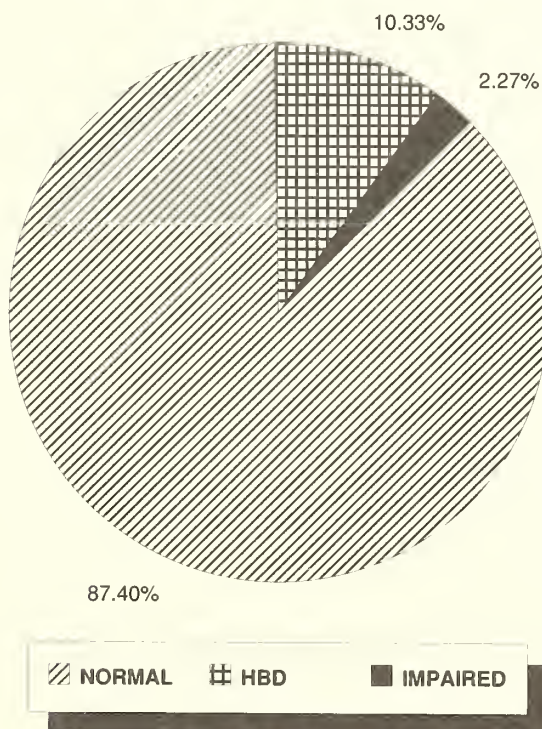
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HALIBURTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HALTON REGIONAL MUNICIPALITY

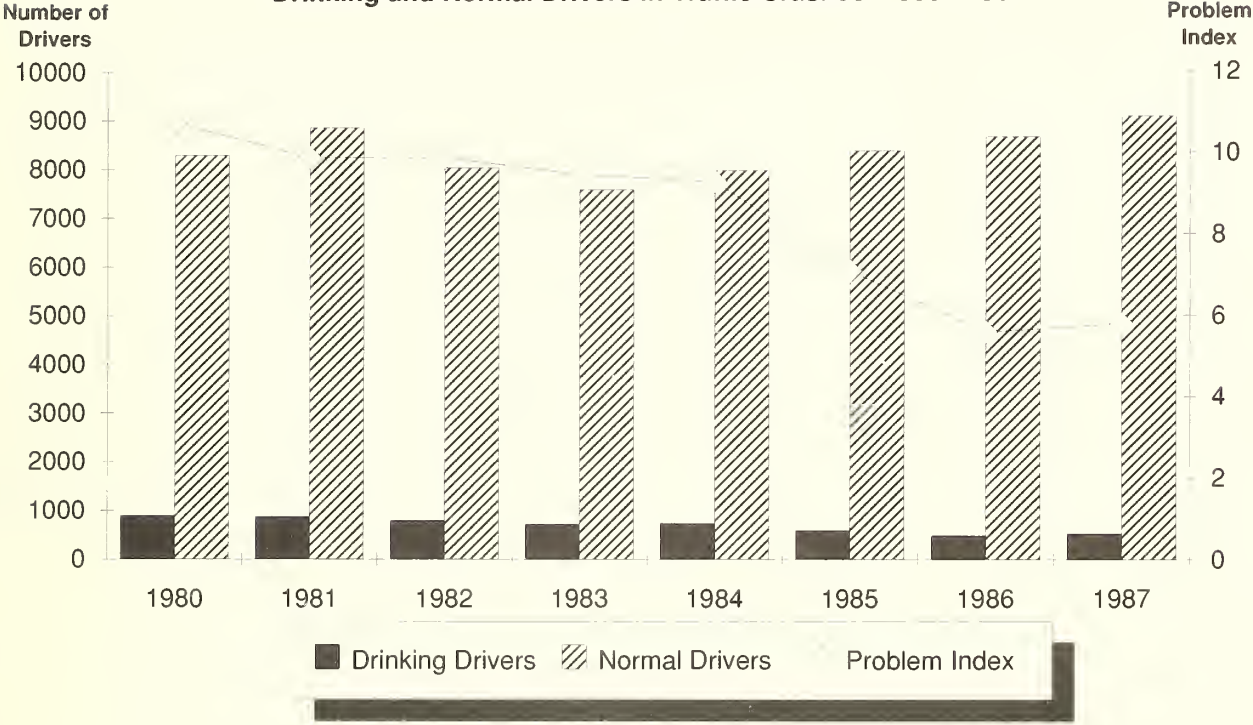
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	260	116	376	3922	296	113	409	1974	10	11	21	28	566	240	806	5924
1981	262	142	404	3929	259	103	362	2314	7	9	16	19	528	254	782	6262
1982	236	111	347	3718	274	94	368	1883	4	6	10	19	514	211	725	5620
1983	216	96	312	3278	202	96	298	1855	6	11	17	22	424	203	627	5155
1984	230	116	346	3491	189	106	295	2020	4	12	16	32	423	234	657	5543
1985	178	74	252	3694	161	92	253	2030	7	8	15	15	346	174	520	5739
1986	112	91	203	3525	114	85	199	2343	6	9	15	25	232	185	417	5893
1987	108	96	204	3793	127	124	251	2270	7	8	15	30	242	228	470	6093
Female																
1980	25	11	36	1506	36	13	49	855	1	0	1	6	62	24	86	2367
1981	34	10	44	1600	36	12	48	983	1	0	1	5	71	22	93	2588
1982	26	5	31	1562	30	8	38	845	0	0	0	2	56	13	69	2409
1983	36	10	46	1487	38	6	44	927	0	0	0	5	74	16	90	2419
1984	32	11	43	1529	30	9	39	886	1	0	1	8	63	20	83	2423
1985	29	13	42	1608	25	5	30	1016	1	0	1	3	55	18	73	2627
1986	19	4	23	1612	27	15	42	1134	1	0	1	7	47	19	66	2753
1987	16	9	25	1805	21	9	30	1170	0	0	0	8	37	18	55	2983
Total																
1980	285	127	412	5428	332	126	458	2829	11	11	22	34	628	264	892	8291
1981	296	152	448	5529	295	115	410	3297	8	9	17	24	599	276	875	8850
1982	262	116	378	5280	304	102	406	2728	4	6	10	21	570	224	794	8029
1983	252	106	358	4765	240	102	342	2782	6	11	17	27	498	219	717	7574
1984	262	127	389	5020	219	115	334	2906	5	12	17	40	486	254	740	7966
1985	207	87	294	5302	186	97	283	3046	8	8	16	18	401	192	593	8366
1986	131	95	226	5137	141	100	241	3477	7	9	16	32	279	204	483	8646
1987	124	105	229	5598	148	133	281	3440	7	8	15	38	279	246	525	9076

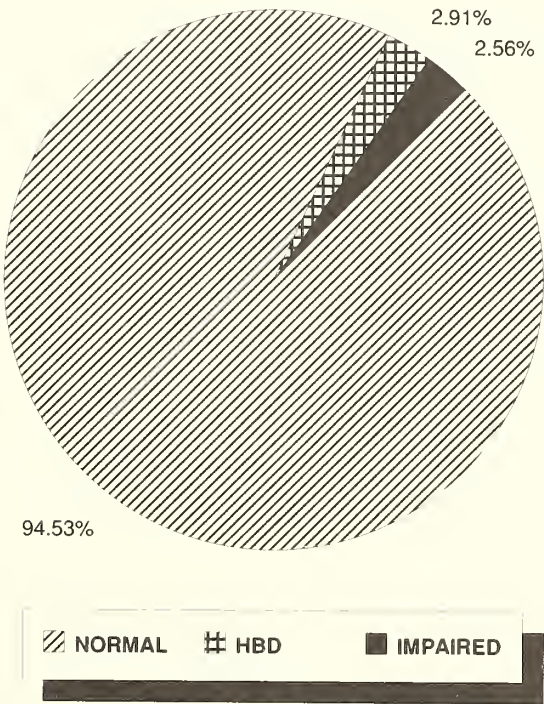
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HALTON REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HAMILTON-WENTWORTH REGIONAL MUNICIPALITY

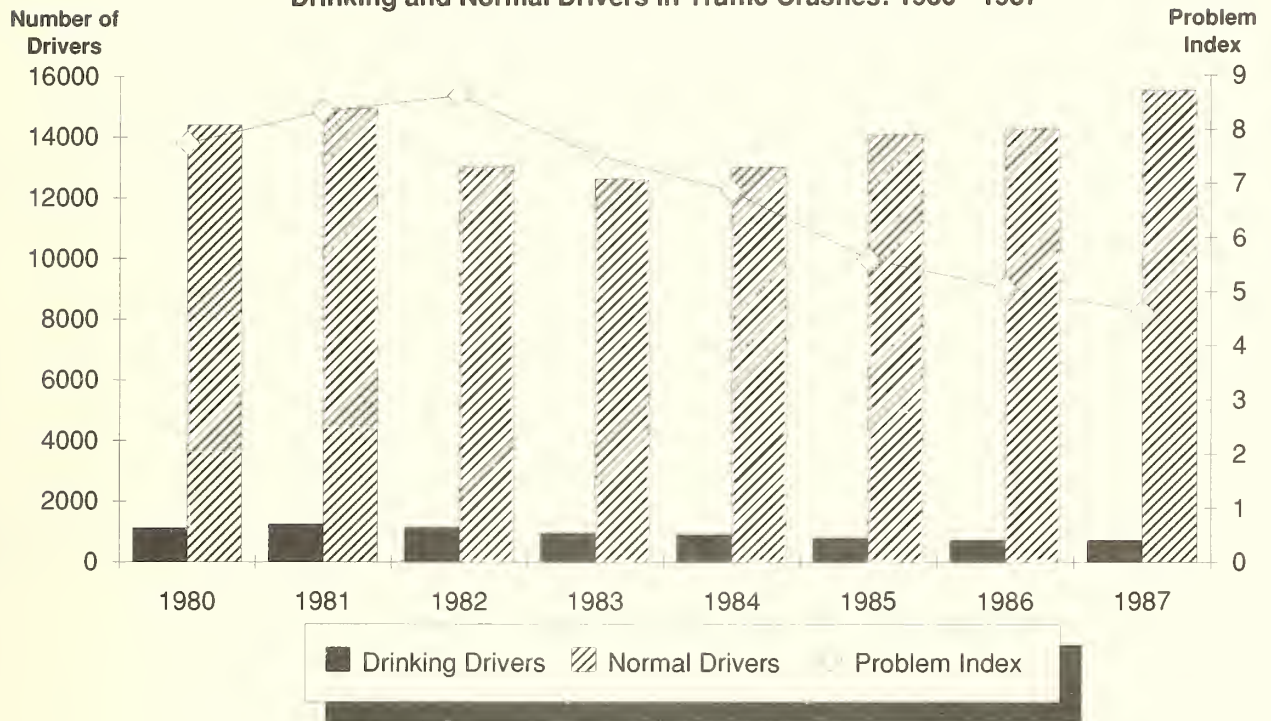
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	307	191	498	6658	350	168	518	4219	10	12	22	39	667	371	1038	10916
1981	313	231	544	6902	394	178	572	4334	10	6	16	34	717	415	1132	11270
1982	307	197	504	5991	335	158	493	3673	5	11	16	32	647	366	1013	9696
1983	251	150	401	5639	316	128	444	3609	5	9	14	22	572	287	859	9270
1984	252	163	415	5742	236	137	373	3682	7	9	16	36	495	309	804	9460
1985	181	141	322	5788	228	155	383	4343	5	10	15	32	414	306	720	10163
1986	160	130	290	5549	175	175	350	4511	5	7	12	37	340	312	652	10097
1987	160	130	290	5967	173	160	333	4992	7	12	19	39	340	302	642	10998
Female																
1980	26	9	35	2071	34	10	44	1402	1	0	1	9	61	19	80	3482
1981	27	16	43	2146	58	14	72	1517	0	1	1	4	85	31	116	3667
1982	45	19	64	1969	34	13	47	1355	1	0	1	7	80	32	112	3331
1983	28	7	35	1974	42	13	55	1352	0	1	1	8	70	21	91	3334
1984	19	22	41	2143	27	19	46	1384	0	1	1	7	46	42	88	3534
1985	13	11	24	2206	25	18	43	1687	1	0	1	4	39	29	68	3897
1986	26	10	36	2229	19	16	35	1904	0	0	0	13	45	26	71	4146
1987	25	9	34	2333	28	12	40	2183	0	2	2	5	53	23	76	4521
Total																
1980	333	200	533	8729	384	178	562	5621	11	12	23	48	728	390	1118	14398
1981	340	247	587	9048	452	192	644	5851	10	7	17	38	802	446	1248	14937
1982	352	216	568	7960	369	171	540	5028	6	11	17	39	727	398	1125	13027
1983	279	157	436	7613	358	141	499	4961	5	10	15	30	642	308	950	12604
1984	271	185	456	7885	263	156	419	5066	7	10	17	43	541	351	892	12994
1985	194	152	346	7994	253	173	426	6030	6	10	16	36	453	335	788	14060
1986	186	140	326	7778	194	191	385	6415	5	7	12	50	385	338	723	14243
1987	185	139	324	8300	201	172	373	7175	7	14	21	44	393	325	718	15519

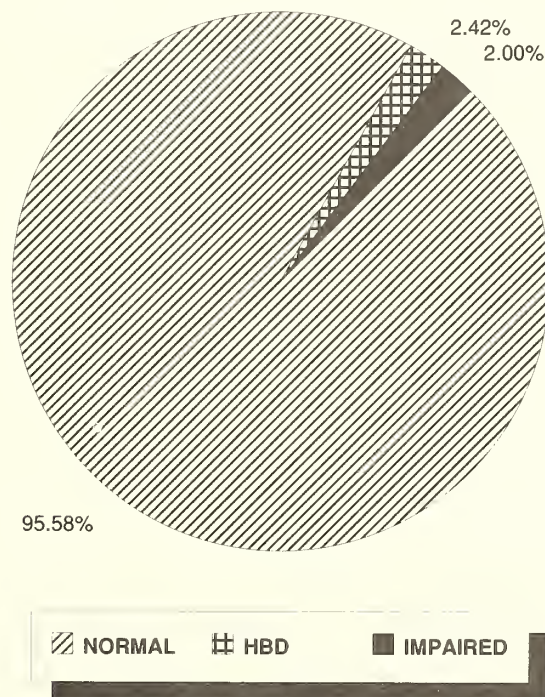
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HAMILTON - WENTWORTH REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HASTINGS

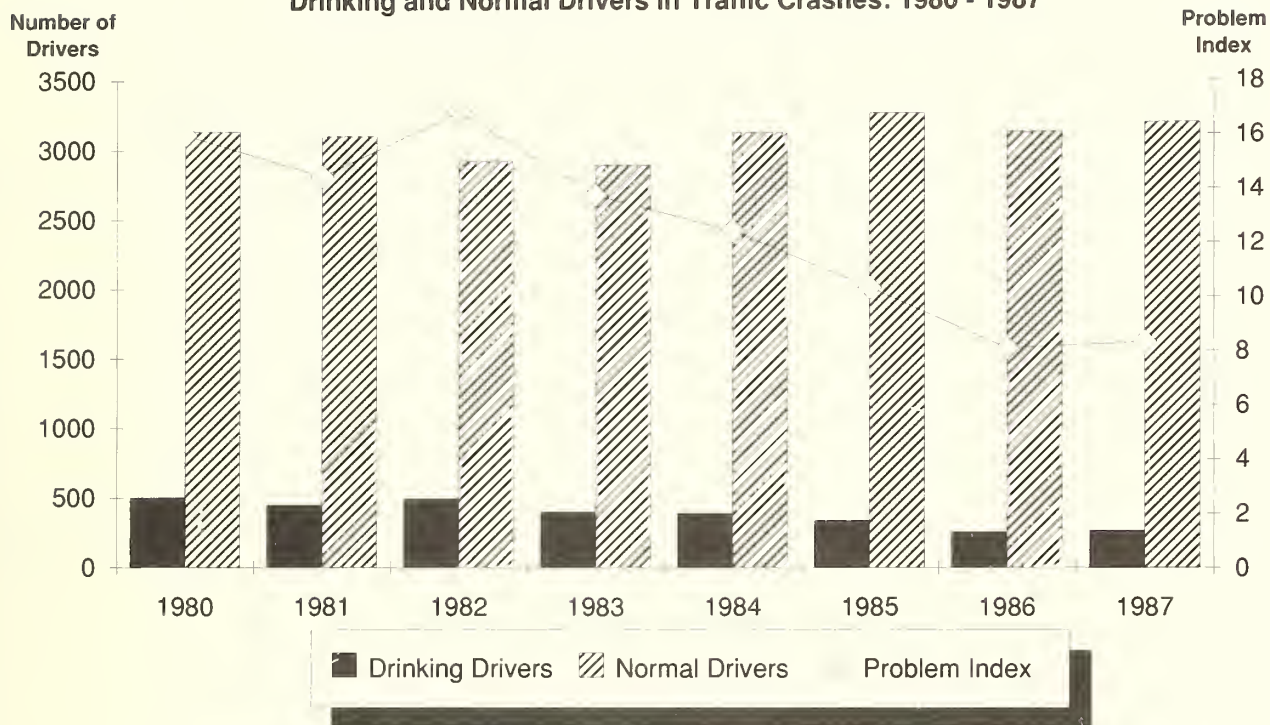
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	164	53	217	1563	157	61	218	705	5	7	12	17	326	121	447	2285
1981	145	81	226	1526	121	49	170	692	5	7	12	16	271	137	408	2234
1982	165	84	249	1471	132	62	194	599	6	5	11	25	303	151	454	2095
1983	106	62	168	1354	104	67	171	673	4	6	10	12	214	135	349	2039
1984	114	70	184	1432	100	53	153	716	5	9	14	17	219	132	351	2165
1985	77	43	120	1413	104	53	157	797	8	6	14	9	189	102	291	2219
1986	58	43	101	1395	74	41	115	702	4	5	9	12	136	89	225	2109
1987	79	32	111	1337	74	47	121	745	1	9	10	19	154	88	242	2101
Female																
1980	21	9	30	540	19	5	24	301	0	0	0	7	40	14	54	848
1981	12	5	17	567	19	3	22	293	1	0	1	5	32	8	40	865
1982	13	4	17	563	17	4	21	259	0	0	0	4	30	8	38	826
1983	25	5	30	565	13	3	16	281	2	0	2	4	40	8	48	850
1984	15	5	20	654	11	3	14	296	2	1	3	7	28	9	37	957
1985	11	6	17	669	19	9	28	365	1	0	1	8	31	15	46	1042
1986	12	1	13	643	10	4	14	372	0	1	1	3	22	6	28	1018
1987	5	4	9	644	12	2	14	446	1	0	1	3	18	6	24	1093
Total																
1980	185	62	247	2103	176	66	242	1006	5	7	12	24	366	135	501	3133
1981	157	86	243	2093	140	52	192	985	6	7	13	21	303	145	448	3099
1982	178	88	266	2034	149	66	215	858	6	5	11	29	333	159	492	2921
1983	131	67	198	1919	117	70	187	954	6	6	12	16	254	143	397	2889
1984	129	75	204	2086	111	56	167	1012	7	10	17	24	247	141	388	3122
1985	88	49	137	2082	123	62	185	1162	9	6	15	17	220	117	337	3261
1986	70	44	114	2038	84	45	129	1074	4	6	10	15	158	95	253	3127
1987	84	36	120	1981	86	49	135	1191	2	9	11	22	172	94	266	3194

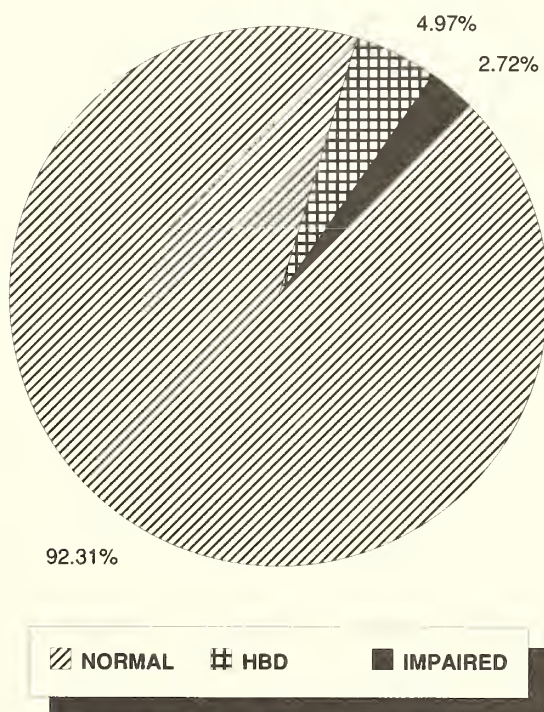
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HASTINGS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



HURON

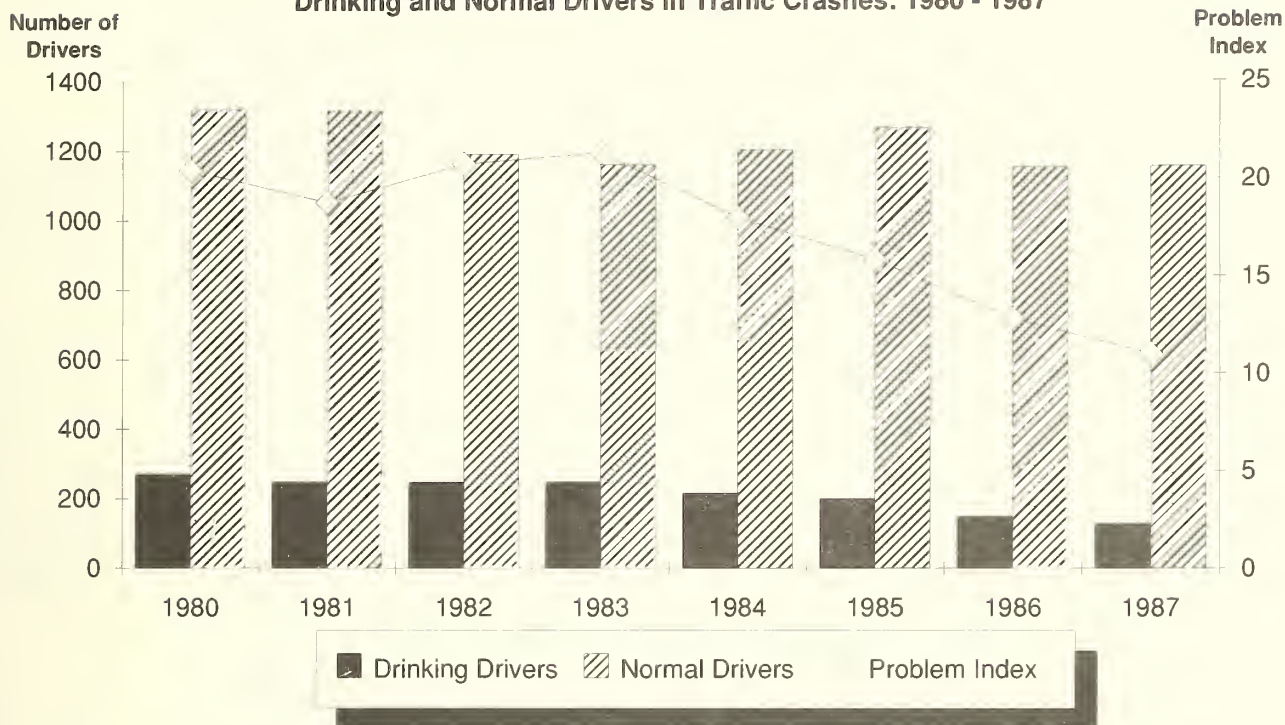
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	111	10	121	693	105	10	115	264	5	1	6	6	221	21	242	963
1981	97	17	114	650	102	7	109	315	3	2	5	9	202	26	228	974
1982	111	17	128	597	84	9	93	252	4	2	6	15	199	28	227	864
1983	92	14	106	571	101	14	115	245	2	6	8	5	195	34	229	821
1984	77	9	86	584	87	13	100	235	4	5	9	8	168	27	195	827
1985	75	15	90	572	70	12	82	288	1	4	5	7	146	31	177	867
1986	46	16	62	491	49	17	66	238	1	5	6	6	96	38	134	735
1987	47	14	61	452	42	13	55	291	0	1	1	8	89	28	117	751
Female																
1980	16	1	17	235	10	0	10	120	1	0	1	3	27	1	28	358
1981	9	1	10	230	9	0	9	111	0	0	0	0	18	1	19	341
1982	11	1	12	229	6	0	6	94	1	1	2	3	18	2	20	326
1983	7	0	7	223	9	2	11	112	0	0	0	3	16	2	18	338
1984	7	2	9	254	9	1	10	114	0	2	2	6	16	5	21	374
1985	10	1	11	256	11	0	11	140	0	1	1	2	21	2	23	398
1986	4	1	5	253	5	3	8	157	0	0	0	5	9	4	13	415
1987	3	4	7	235	2	0	2	164	0	1	1	4	5	5	10	403
Total																
1980	127	11	138	928	115	10	125	384	6	1	7	9	248	22	270	1321
1981	106	18	124	880	111	7	118	426	3	2	5	9	220	27	247	1315
1982	122	18	140	826	90	9	99	346	5	3	8	18	217	30	247	1190
1983	99	14	113	794	110	16	126	357	2	6	8	8	211	36	247	1159
1984	84	11	95	838	96	14	110	349	4	7	11	14	184	32	216	1201
1985	85	16	101	828	81	12	93	428	1	5	6	9	167	33	200	1265
1986	50	17	67	744	54	20	74	395	1	5	6	11	105	42	147	1150
1987	50	18	68	687	44	13	57	455	0	2	2	12	94	33	127	1154

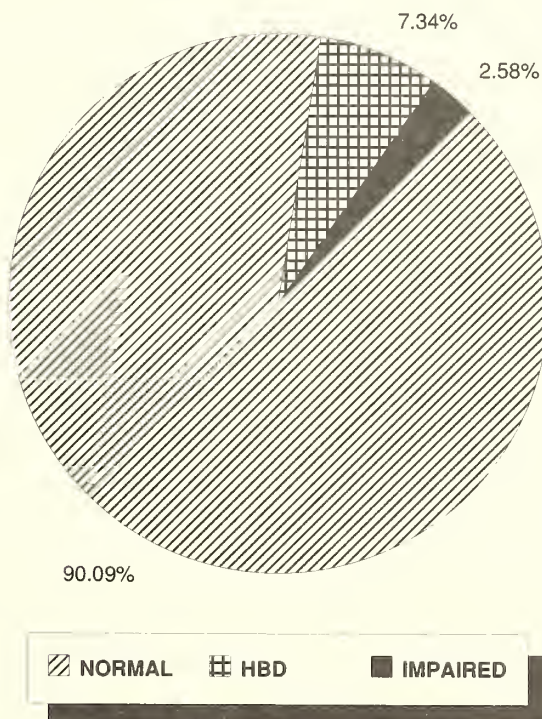
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HURON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



KENORA

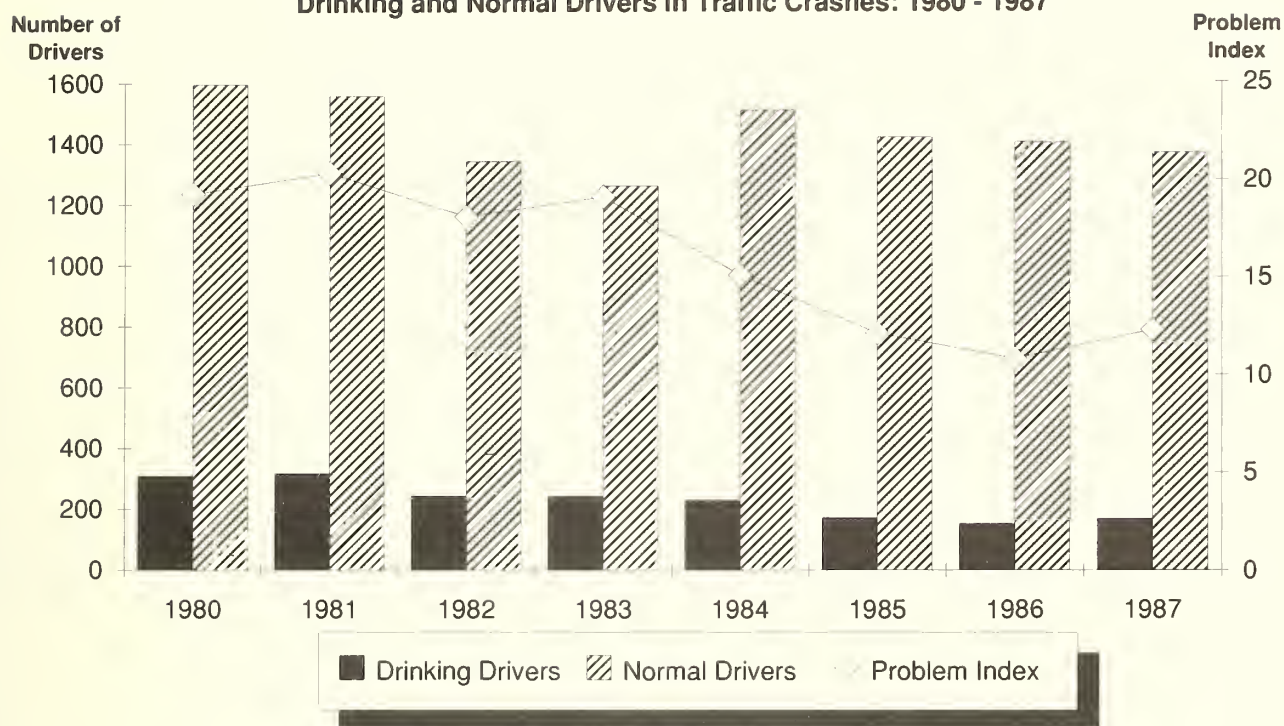
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	101	47	148	840	78	43	121	378	4	6	10	21	183	96	279	1239
1981	131	42	173	855	65	42	107	337	3	4	7	20	199	88	287	1212
1982	90	40	130	779	56	29	85	250	0	2	2	9	146	71	217	1038
1983	76	42	118	711	53	35	88	234	0	3	3	11	129	80	209	956
1984	74	37	111	846	65	32	97	288	0	2	2	12	139	71	210	1146
1985	48	22	70	746	35	32	67	334	3	5	8	9	86	59	145	1089
1986	42	31	73	725	36	22	58	307	2	2	4	13	80	55	135	1045
1987	41	26	67	652	49	18	67	336	3	4	7	14	93	48	141	1002
Female																
1980	12	6	18	230	8	2	10	123	0	1	1	3	20	9	29	356
1981	14	3	17	229	11	2	13	113	0	0	0	2	25	5	30	344
1982	8	7	15	194	7	4	11	108	0	0	0	1	15	11	26	303
1983	11	7	18	203	6	7	13	99	0	1	1	2	17	15	32	304
1984	7	4	11	246	3	2	5	117	1	1	2	0	11	7	18	363
1985	9	5	14	233	10	2	12	94	0	1	1	2	19	8	27	329
1986	5	2	7	230	6	3	9	128	0	1	1	0	11	6	17	358
1987	7	8	15	217	8	4	12	147	0	0	0	1	15	12	27	365
Total																
1980	113	53	166	1070	86	45	131	501	4	7	11	24	203	105	308	1595
1981	145	45	190	1084	76	44	120	450	3	4	7	22	224	93	317	1556
1982	98	47	145	973	63	33	96	358	0	2	2	10	161	82	243	1341
1983	87	49	136	914	59	42	101	333	0	4	4	13	146	95	241	1260
1984	81	41	122	1092	68	34	102	405	1	3	4	12	150	78	228	1509
1985	57	27	84	979	45	34	79	428	3	6	9	11	105	67	172	1418
1986	47	33	80	955	42	25	67	435	2	3	5	13	91	61	152	1403
1987	48	34	82	869	57	22	79	483	3	4	7	15	108	60	168	1367

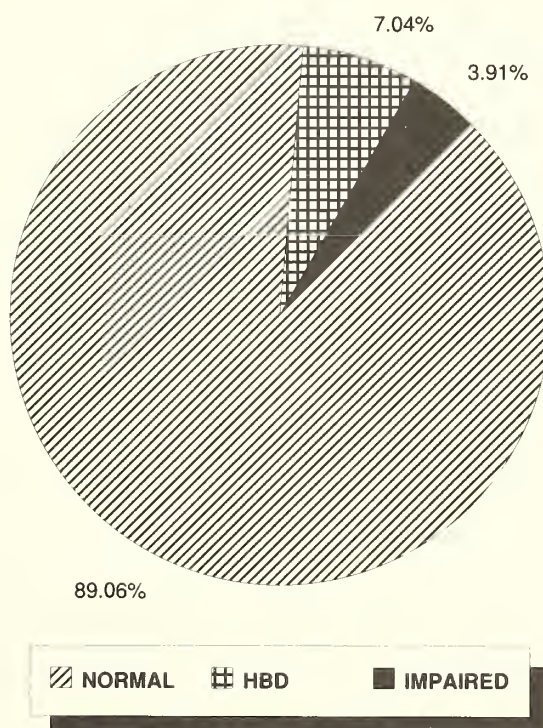
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KENORA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



KENT

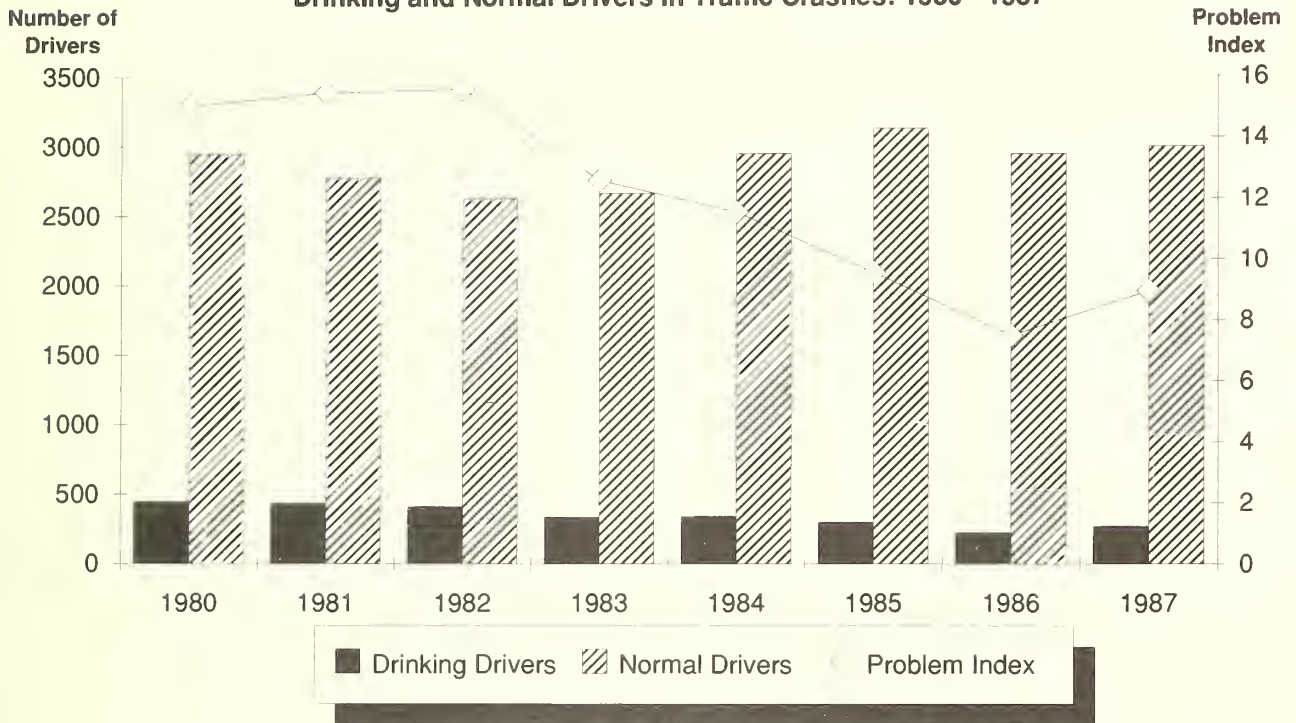
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	148	53	201	1304	159	40	199	733	5	1	6	11	312	94	406	2048
1981	158	55	213	1234	134	28	162	659	0	11	11	11	292	94	386	1904
1982	117	46	163	1228	154	44	198	593	2	4	6	7	273	94	367	1828
1983	81	54	135	1160	126	36	162	682	2	8	10	6	209	98	307	1848
1984	88	41	129	1297	128	35	163	721	4	8	12	9	220	84	304	2027
1985	67	37	104	1318	98	48	146	835	3	4	7	17	168	89	257	2170
1986	55	31	86	1217	75	33	108	755	2	5	7	8	132	69	201	1980
1987	73	27	100	1155	88	39	127	802	4	3	7	10	165	69	234	1967
Female																
1980	13	2	15	562	17	3	20	331	3	0	3	7	33	5	38	900
1981	16	4	20	543	19	1	20	326	1	3	4	4	36	8	44	873
1982	7	5	12	519	24	4	28	280	0	3	3	2	31	12	43	801
1983	8	3	11	524	13	3	16	284	1	0	1	5	22	6	28	813
1984	15	4	19	583	12	5	17	333	0	0	0	2	27	9	36	918
1985	16	6	22	526	17	3	20	426	0	0	0	4	33	9	42	956
1986	7	4	11	565	7	1	8	391	0	0	0	4	14	5	19	960
1987	9	6	15	600	13	5	18	423	1	0	1	5	23	11	34	1028
Total																
1980	161	55	216	1866	176	43	219	1064	8	1	9	18	345	99	444	2948
1981	174	59	233	1777	153	29	182	985	1	14	15	15	328	102	430	2777
1982	124	51	175	1747	178	48	226	873	2	7	9	9	304	106	410	2629
1983	89	57	146	1684	139	39	178	966	3	8	11	11	231	104	335	2661
1984	103	45	148	1880	140	40	180	1054	4	8	12	11	247	93	340	2945
1985	83	43	126	1844	115	51	166	1261	3	4	7	21	201	98	299	3126
1986	62	35	97	1782	82	34	116	1146	2	5	7	12	146	74	220	2940
1987	82	33	115	1755	101	44	145	1225	5	3	8	15	188	80	268	2995

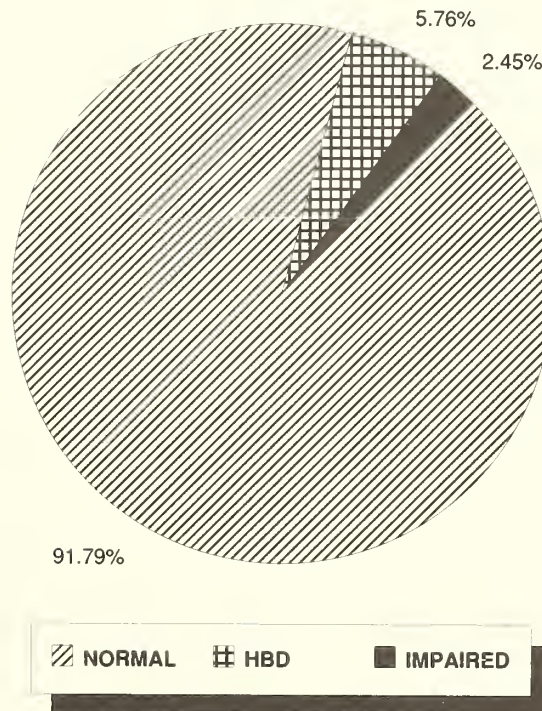
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KENT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



LAMBTON

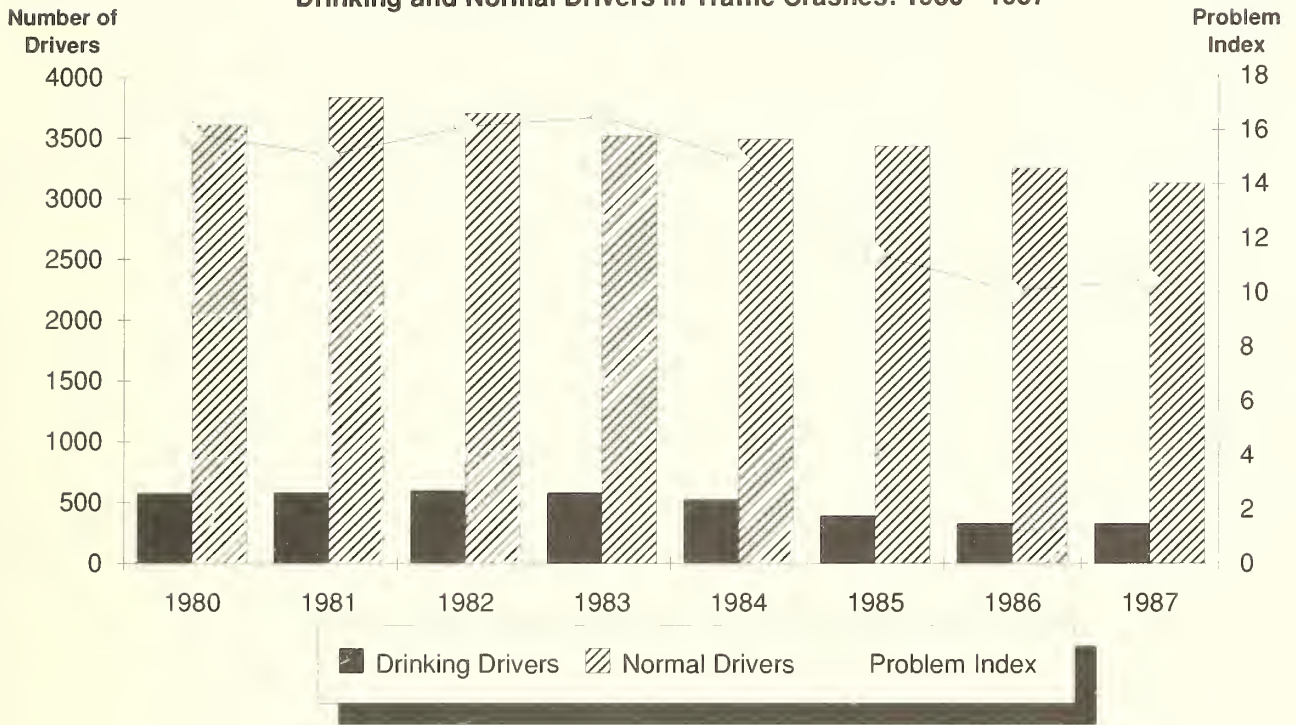
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	179	74	253	1717	196	55	251	810	6	12	18	11	381	141	522	2538
1981	181	66	247	1828	209	46	255	800	4	8	12	16	394	120	514	2644
1982	205	70	275	1699	189	58	247	784	4	3	7	15	398	131	529	2498
1983	204	58	262	1575	193	38	231	780	5	7	12	16	402	103	505	2371
1984	164	49	213	1598	184	48	232	713	1	5	6	7	349	102	451	2318
1985	101	45	146	1461	146	45	191	805	2	0	2	12	249	90	339	2278
1986	91	25	116	1319	116	44	160	769	2	3	5	12	209	72	281	2100
1987	95	43	138	1284	106	27	133	702	2	5	7	7	203	75	278	1993
Female																
1980	14	6	20	688	29	3	32	377	0	0	0	1	43	9	52	1066
1981	27	7	34	814	24	5	29	369	0	2	2	5	51	14	65	1188
1982	28	3	31	771	32	4	36	425	1	1	2	5	61	8	69	1201
1983	26	10	36	769	32	6	38	367	0	0	0	3	58	16	74	1139
1984	32	7	39	782	25	4	29	381	0	1	1	2	57	12	69	1165
1985	22	4	26	755	24	2	26	391	0	0	0	0	46	6	52	1146
1986	14	6	20	688	18	6	24	446	0	1	1	8	32	13	45	1142
1987	17	6	23	663	19	6	25	453	0	0	0	8	36	12	48	1124
Total																
1980	193	80	273	2405	225	58	283	1187	6	12	18	12	424	150	574	3604
1981	208	73	281	2642	233	51	284	1169	4	10	14	21	445	134	579	3832
1982	233	73	306	2470	221	62	283	1209	5	4	9	20	459	139	598	3699
1983	230	68	298	2344	225	44	269	1147	5	7	12	19	460	119	579	3510
1984	196	56	252	2380	209	52	261	1094	1	6	7	9	406	114	520	3483
1985	123	49	172	2216	170	47	217	1196	2	0	2	12	295	96	391	3424
1986	105	31	136	2007	134	50	184	1215	2	4	6	20	241	85	326	3242
1987	112	49	161	1947	125	33	158	1155	2	5	7	15	239	87	326	3117

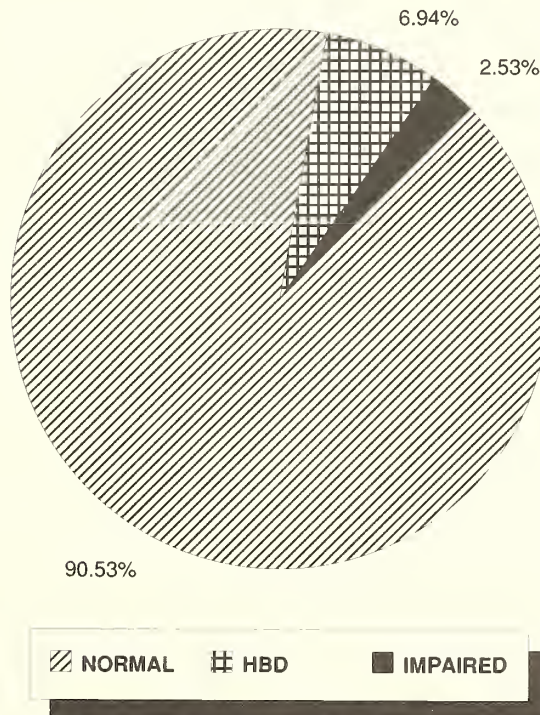
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LAMBTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



LANARK

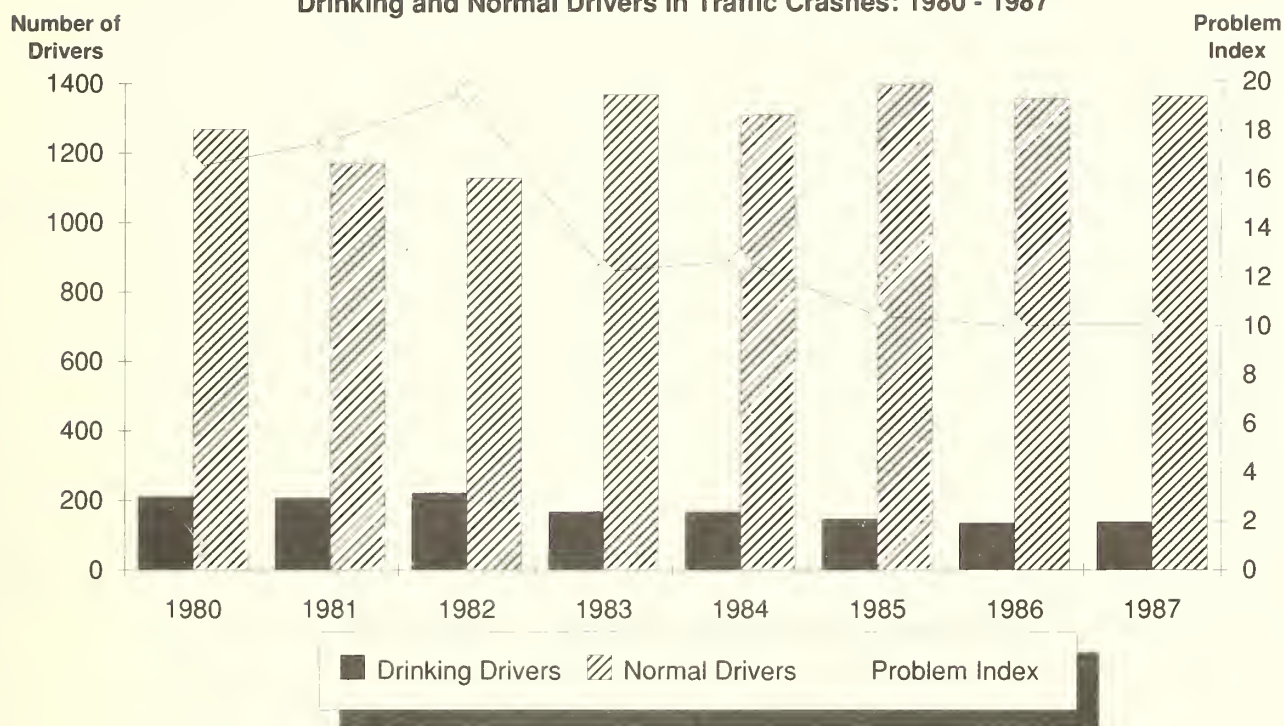
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	55	36	91	631	65	26	91	266	3	3	6	8	123	65	188	905
1981	54	33	87	549	68	29	97	256	3	1	4	10	125	63	188	815
1982	78	24	102	565	76	23	99	242	1	1	2	3	155	48	203	810
1983	50	26	76	670	58	17	75	296	0	5	5	8	108	48	156	974
1984	48	17	65	613	51	26	77	282	3	2	5	7	102	45	147	902
1985	48	21	69	658	42	21	63	318	1	0	1	8	91	42	133	984
1986	42	14	56	626	41	11	52	315	3	2	5	7	86	27	113	948
1987	38	19	57	621	43	27	70	305	0	1	1	8	81	47	128	934
Female																
1980	7	3	10	247	10	1	11	114	0	1	1	2	17	5	22	363
1981	4	3	7	236	9	2	11	118	0	0	0	0	13	5	18	354
1982	3	3	6	210	10	2	12	104	0	0	0	2	13	5	18	316
1983	4	0	4	276	6	1	7	113	0	0	0	2	10	1	11	391
1984	4	2	6	293	11	1	12	109	0	1	1	3	15	4	19	405
1985	5	3	8	279	3	1	4	129	0	0	0	1	8	4	12	409
1986	6	3	9	254	8	5	13	148	0	0	0	1	14	8	22	403
1987	4	1	5	276	4	0	4	146	0	0	0	2	8	1	9	424
Total																
1980	62	39	101	878	75	27	102	380	3	4	7	10	140	70	210	1268
1981	58	36	94	785	77	31	108	374	3	1	4	10	138	68	206	1169
1982	81	27	108	775	86	25	111	346	1	1	2	5	168	53	221	1126
1983	54	26	80	946	64	18	82	409	0	5	5	10	118	49	167	1365
1984	52	19	71	906	62	27	89	391	3	3	6	10	117	49	166	1307
1985	53	24	77	937	45	22	67	447	1	0	1	9	99	46	145	1393
1986	48	17	65	880	49	16	65	463	3	2	5	8	100	35	135	1351
1987	42	20	62	897	47	27	74	451	0	1	1	10	89	48	137	1358

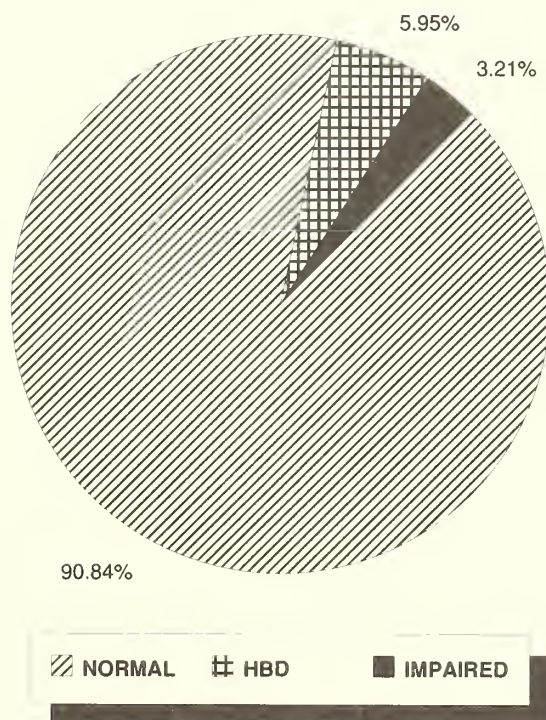
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LANARK

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



LEEDS

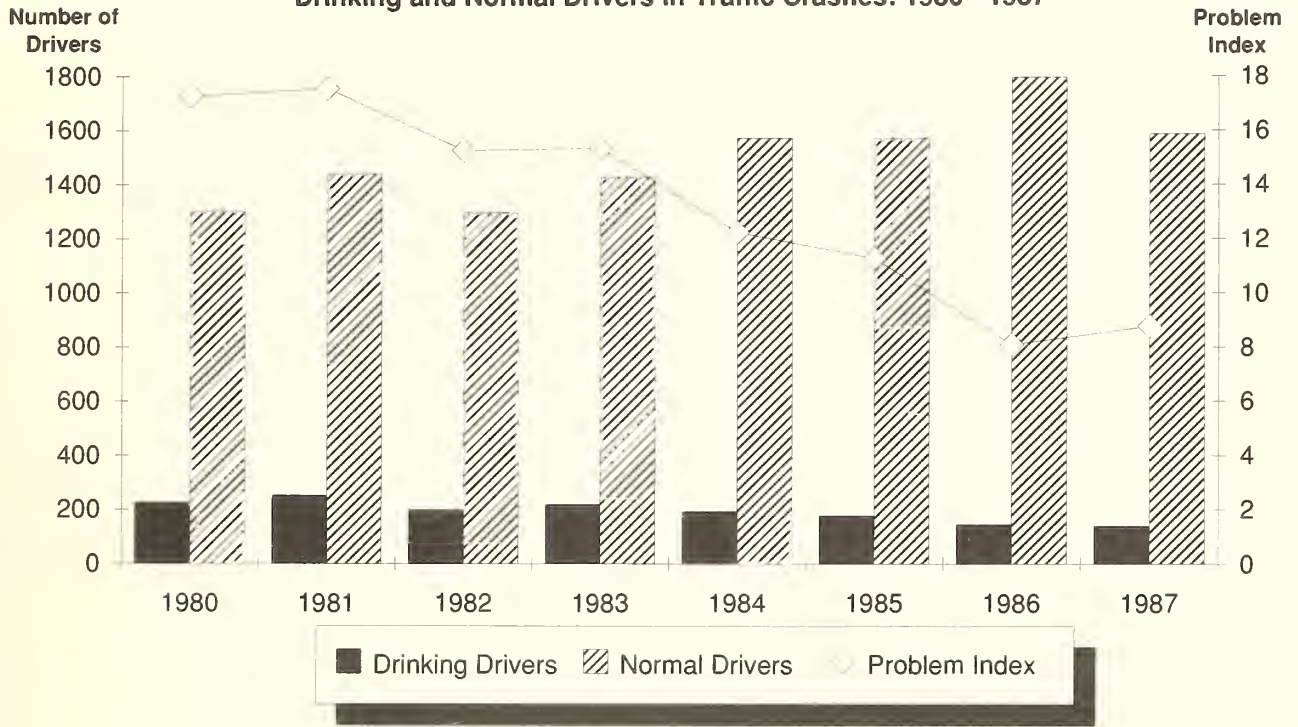
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	75	32	107	608	68	22	90	315	2	3	5	6	145	57	202	929
1981	69	44	113	683	78	38	116	336	2	3	5	10	149	85	234	1029
1982	66	27	93	618	50	23	73	293	2	3	5	3	118	53	171	914
1983	50	44	94	632	61	36	97	339	1	6	7	6	112	86	198	977
1984	60	29	89	695	45	27	72	364	0	5	5	6	105	61	166	1065
1985	49	23	72	715	48	29	77	377	1	5	6	13	98	57	155	1105
1986	38	23	61	833	39	17	56	380	3	4	7	15	80	44	124	1228
1987	34	20	54	684	43	24	67	378	0	3	3	11	77	47	124	1073
Female																
1980	9	4	13	234	7	3	10	136	0	0	0	3	16	7	23	373
1981	6	4	10	282	8	1	9	127	0	0	0	3	14	5	19	412
1982	10	5	15	250	6	6	12	133	0	0	0	0	16	11	27	383
1983	2	5	7	283	13	1	14	168	0	0	0	0	15	6	21	451
1984	9	3	12	334	7	6	13	170	1	0	1	1	17	9	26	505
1985	5	2	7	286	12	3	15	177	0	0	0	3	17	5	22	466
1986	6	2	8	368	7	4	11	198	1	1	2	1	14	7	21	567
1987	4	5	9	335	3	3	6	175	0	0	0	3	7	8	15	513
Total																
1980	84	36	120	842	75	25	100	451	2	3	5	9	161	64	225	1302
1981	75	48	123	965	86	39	125	463	2	3	5	13	163	90	253	1441
1982	76	32	108	868	56	29	85	426	2	3	5	3	134	64	198	1297
1983	52	49	101	915	74	37	111	507	1	6	7	6	127	92	219	1428
1984	69	32	101	1029	52	33	85	534	1	5	6	7	122	70	192	1570
1985	54	25	79	1001	60	32	92	554	1	5	6	16	115	62	177	1571
1986	44	25	69	1201	46	21	67	578	4	5	9	16	94	51	145	1795
1987	38	25	63	1019	46	27	73	553	0	3	3	14	84	55	139	1586

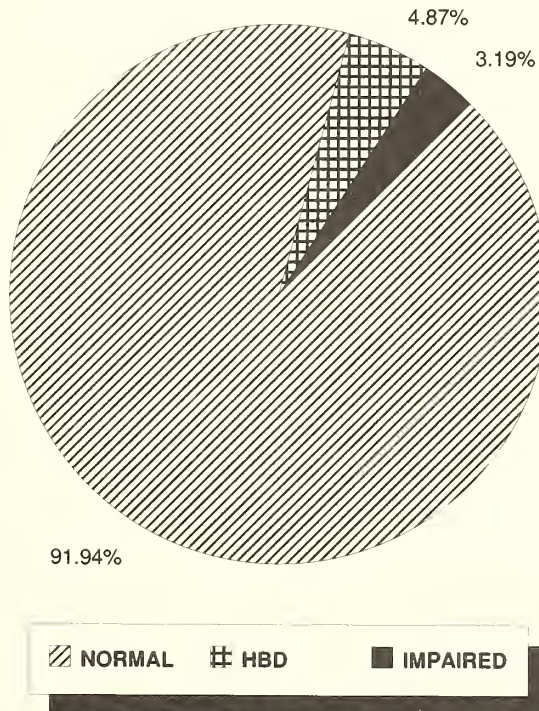
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LEEDS

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



LENNOX and ADDINGTON

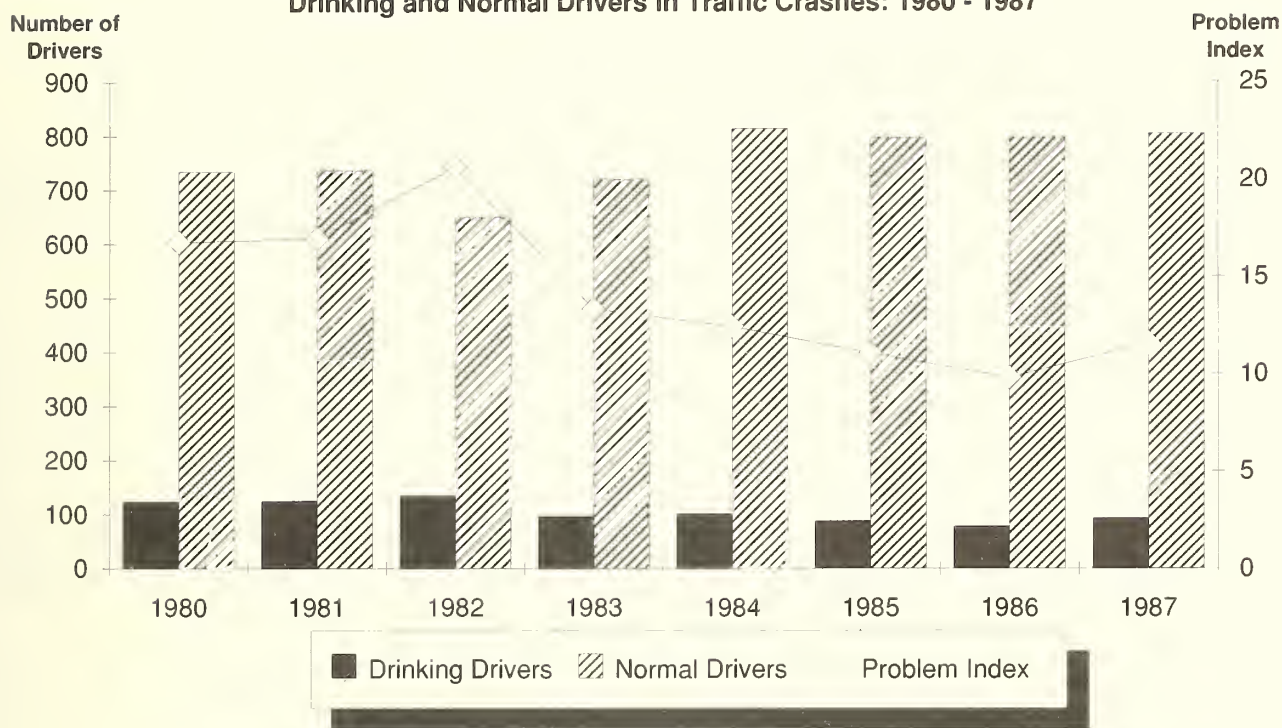
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	32	12	44	348	47	14	61	191	1	5	6	7	80	31	111	546
1981	39	19	58	339	42	15	57	199	1	2	3	5	82	36	118	543
1982	31	16	47	293	46	19	65	168	1	1	2	5	78	36	114	466
1983	30	9	39	345	28	15	43	148	1	2	3	8	59	26	85	501
1984	33	14	47	365	33	8	41	193	3	3	6	5	69	25	94	563
1985	28	9	37	344	30	6	36	193	1	1	2	6	59	16	75	543
1986	22	12	34	336	26	10	36	207	0	0	0	8	48	22	70	551
1987	24	11	35	358	26	13	39	190	0	3	3	10	50	27	77	558
Female																
1980	2	2	4	121	7	1	8	67	0	0	0	0	9	3	12	188
1981	1	1	2	123	3	1	4	70	0	1	1	1	4	3	7	194
1982	9	3	12	117	8	0	8	67	0	0	0	0	17	3	20	184
1983	3	3	6	139	5	0	5	79	0	0	0	1	8	3	11	219
1984	2	1	3	168	4	0	4	80	0	0	0	2	6	1	7	250
1985	4	0	4	155	7	2	9	98	0	0	0	0	11	2	13	253
1986	0	0	0	142	8	0	8	99	0	0	0	4	8	0	8	245
1987	2	4	6	154	8	2	10	89	0	0	0	2	10	6	16	245
Total																
1980	34	14	48	469	54	15	69	258	1	5	6	7	89	34	123	734
1981	40	20	60	462	45	16	61	269	1	3	4	6	86	39	125	737
1982	40	19	59	410	54	19	73	235	1	1	2	5	95	39	134	650
1983	33	12	45	484	33	15	48	227	1	2	3	9	67	29	96	720
1984	35	15	50	533	37	8	45	273	3	3	6	7	75	26	101	813
1985	32	9	41	499	37	8	45	291	1	1	2	6	70	18	88	796
1986	22	12	34	478	34	10	44	306	0	0	0	12	56	22	78	796
1987	26	15	41	512	34	15	49	279	0	3	3	12	60	33	93	803

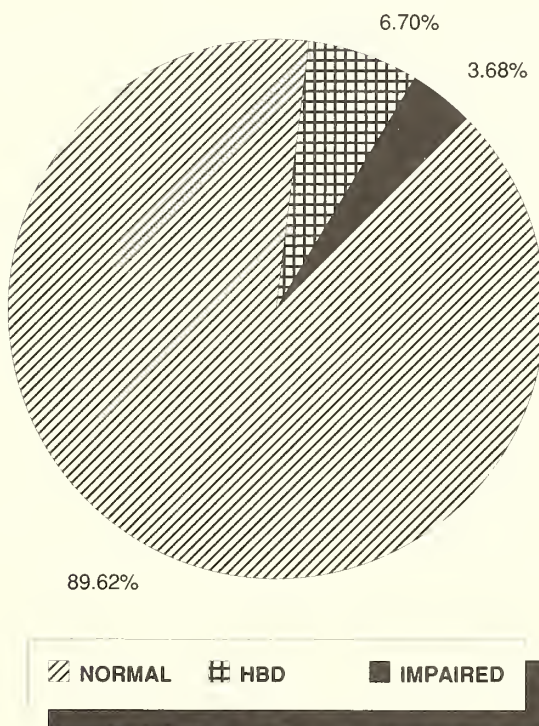
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LENNOX AND ADDINGTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



MANITOULIN

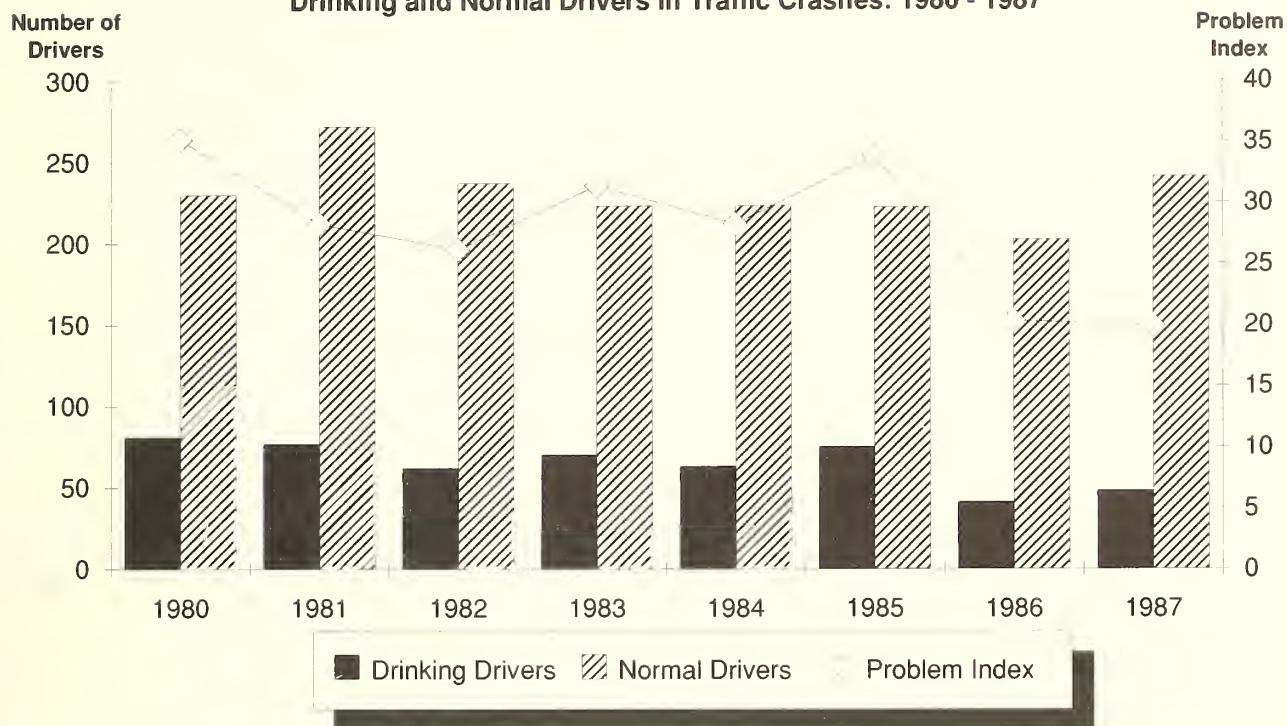
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	23	11	34	107	26	5	31	56	1	2	3	2	50	18	68	165
1981	27	14	41	124	14	9	23	64	1	3	4	4	42	26	68	192
1982	12	7	19	128	23	9	32	51	0	0	0	5	35	16	51	184
1983	20	10	30	126	15	11	26	46	2	1	3	4	37	22	59	176
1984	24	9	33	115	14	5	19	36	0	1	1	3	38	15	53	154
1985	20	9	29	105	19	13	32	63	0	1	1	0	39	23	62	168
1986	11	5	16	95	7	10	17	31	1	1	2	0	19	16	35	126
1987	10	6	16	111	11	5	16	47	0	3	3	1	21	14	35	159
Female																
1980	4	3	7	40	5	1	6	24	0	0	0	1	9	4	13	65
1981	1	0	1	46	7	0	7	33	0	1	1	1	8	1	9	80
1982	4	1	5	40	3	3	6	13	0	0	0	0	7	4	11	53
1983	3	4	7	29	4	0	4	18	0	0	0	0	7	4	11	47
1984	6	1	7	45	1	1	2	24	1	0	1	0	8	2	10	69
1985	5	4	9	24	2	2	4	30	0	0	0	0	7	6	13	54
1986	2	0	2	45	1	3	4	31	0	0	0	0	3	3	6	76
1987	4	1	5	58	6	1	7	24	1	0	1	0	11	2	13	82
Total																
1980	27	14	41	147	31	6	37	80	1	2	3	3	59	22	81	230
1981	28	14	42	170	21	9	30	97	1	4	5	5	50	27	77	272
1982	16	8	24	168	26	12	38	64	0	0	0	5	42	20	62	237
1983	23	14	37	155	19	11	30	64	2	1	3	4	44	26	70	223
1984	30	10	40	160	15	6	21	60	1	1	2	3	46	17	63	223
1985	25	13	38	129	21	15	36	93	0	1	1	0	46	29	75	222
1986	13	5	18	140	8	13	21	62	1	1	2	0	22	19	41	202
1987	14	7	21	169	17	6	23	71	1	3	4	1	32	16	48	241

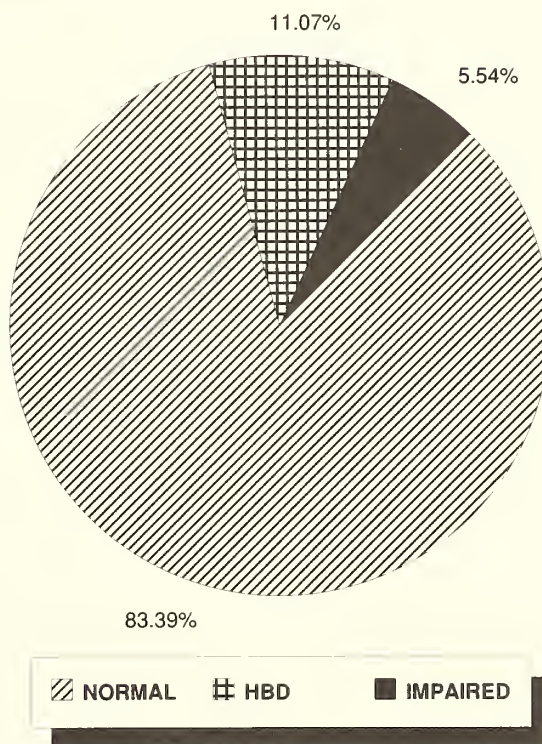
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MANITOULIN

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



MIDDLESEX

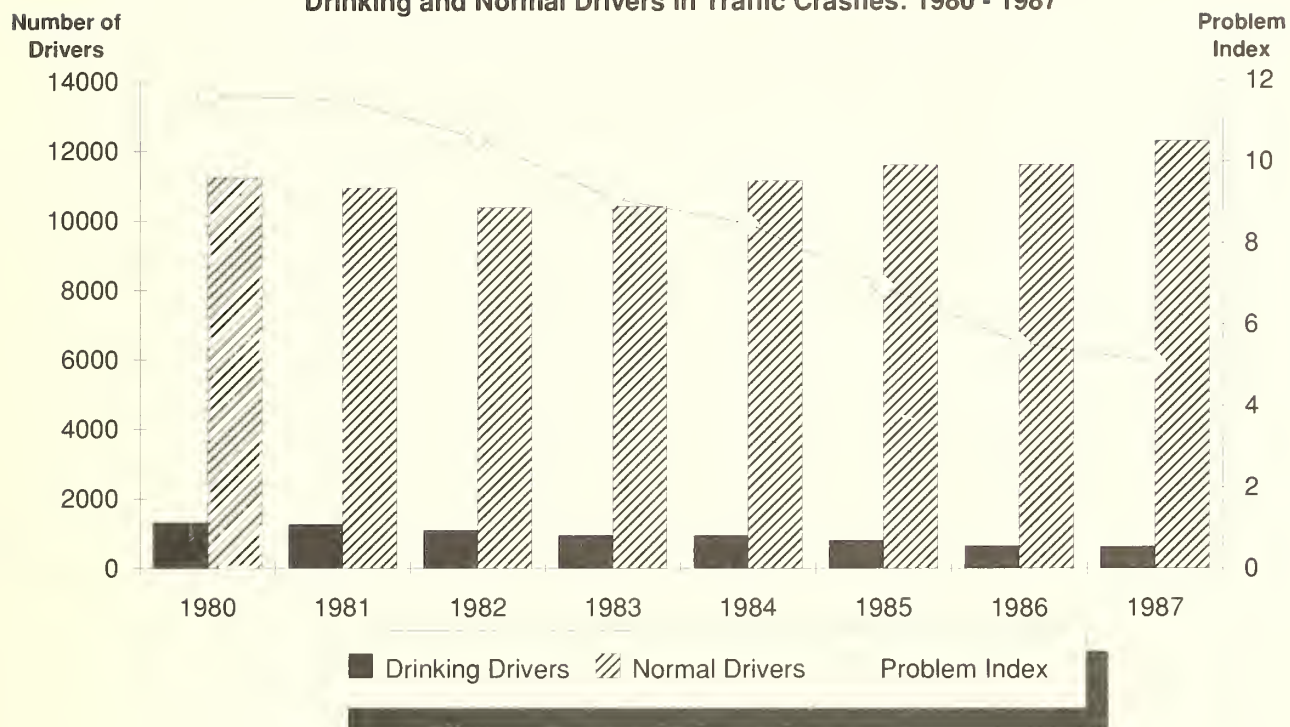
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	468	140	608	5081	419	123	542	2795	11	10	21	27	898	273	1171	7903
1981	436	131	567	4945	422	112	534	2699	17	8	25	22	875	251	1126	7666
1982	367	112	479	4696	371	92	463	2515	10	12	22	25	748	216	964	7236
1983	316	101	417	4517	275	93	368	2575	6	13	19	32	597	207	804	7124
1984	303	100	403	4814	297	92	389	2789	9	10	19	30	609	202	811	7633
1985	237	87	324	4496	263	95	358	3304	4	9	13	33	504	191	695	7833
1986	198	72	270	4374	177	110	287	3194	5	13	18	28	380	195	575	7596
1987	153	77	230	4543	190	102	292	3429	5	6	11	30	348	185	533	8002
Female																
1980	48	12	60	2059	67	12	79	1274	0	1	1	5	115	25	140	3338
1981	52	25	77	2044	51	8	59	1222	1	1	2	4	104	34	138	3270
1982	54	20	74	1956	49	10	59	1165	0	0	0	6	103	30	133	3127
1983	55	15	70	2003	55	15	70	1253	0	2	2	9	110	32	142	3265
1984	50	18	68	2163	51	10	61	1317	3	1	4	8	104	29	133	3488
1985	40	20	60	2099	39	9	48	1631	0	1	1	7	79	30	109	3737
1986	23	7	30	2183	28	9	37	1795	0	0	0	14	51	16	67	3992
1987	30	6	36	2317	29	20	49	1927	2	2	4	8	61	28	89	4252
Total																
1980	516	152	668	7140	486	135	621	4069	11	11	22	32	1013	298	1311	11241
1981	488	156	644	6989	473	120	593	3921	18	9	27	26	979	285	1264	10936
1982	421	132	553	6652	420	102	522	3680	10	12	22	31	851	246	1097	10363
1983	371	116	487	6520	330	108	438	3828	6	15	21	41	707	239	946	10389
1984	353	118	471	6977	348	102	450	4106	12	11	23	38	713	231	944	11121
1985	277	107	384	6595	302	104	406	4935	4	10	14	40	583	221	804	11570
1986	221	79	300	6557	205	119	324	4989	5	13	18	42	431	211	642	11588
1987	183	83	266	6860	219	122	341	5356	7	8	15	38	409	213	622	12254

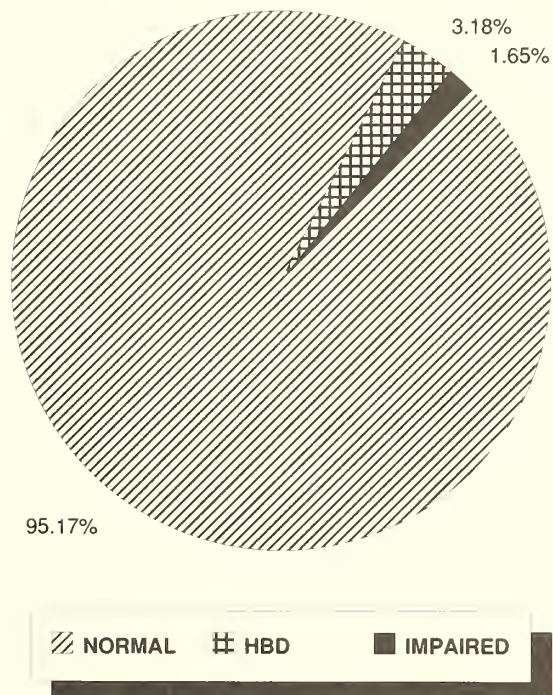
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MIDDLESEX

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



MUSKOKA

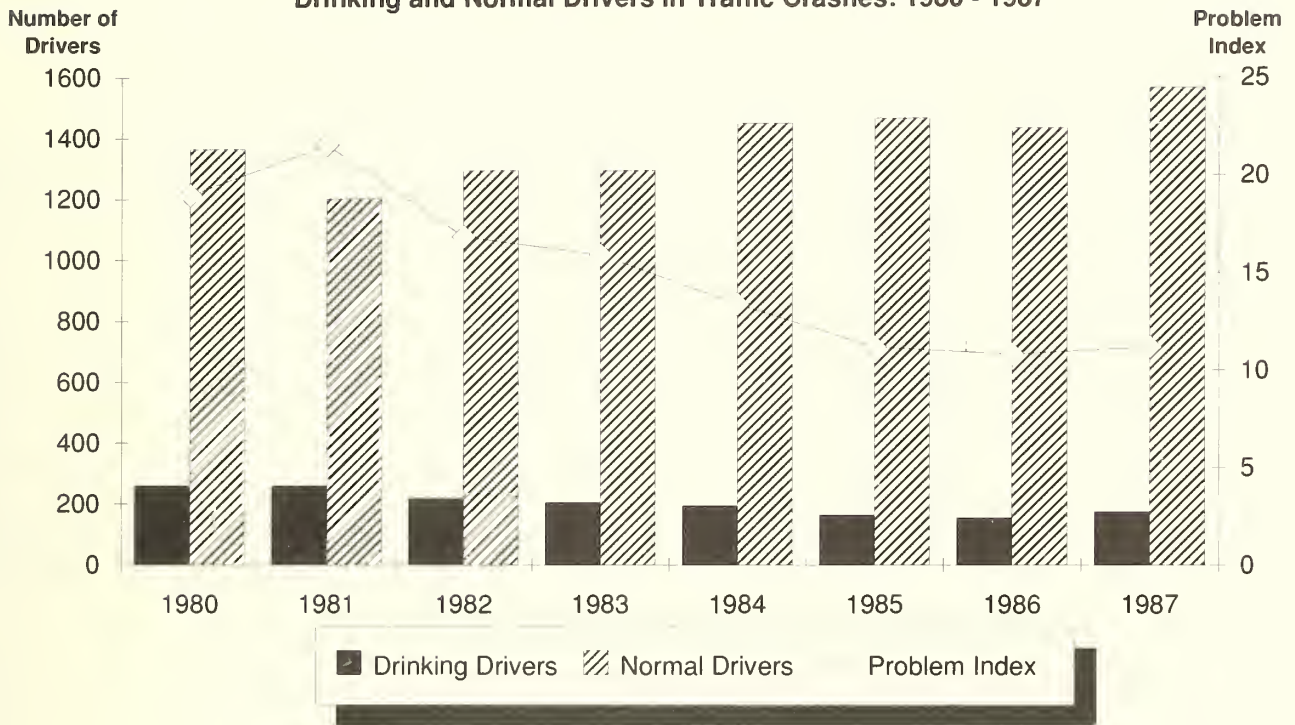
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	78	34	112	653	91	31	122	349	4	3	7	20	173	68	241	1022
1981	95	30	125	624	84	21	105	297	0	6	6	12	179	57	236	933
1982	73	22	95	644	74	21	95	305	1	2	3	7	148	45	193	956
1983	50	32	82	615	72	27	99	314	2	8	10	8	124	67	191	937
1984	59	25	84	710	53	22	75	332	8	6	14	10	120	53	173	1052
1985	49	14	63	670	52	22	74	359	5	1	6	14	106	37	143	1043
1986	41	24	65	636	53	21	74	366	3	5	8	11	97	50	147	1013
1987	56	16	72	708	55	25	80	373	2	3	5	19	113	44	157	1100
Female																
1980	7	0	7	215	10	0	10	121	0	1	1	7	17	1	18	343
1981	8	4	12	178	9	2	11	88	0	0	0	3	17	6	23	269
1982	8	3	11	222	10	4	14	117	0	0	0	0	18	7	25	339
1983	7	0	7	212	5	3	8	145	0	0	0	1	12	3	15	358
1984	4	1	5	267	8	6	14	128	2	0	2	3	14	7	21	398
1985	8	3	11	289	8	1	9	127	0	1	1	7	16	5	21	423
1986	3	2	5	249	1	1	2	167	0	1	1	5	4	4	8	421
1987	3	0	3	281	9	5	14	182	0	1	1	3	12	6	18	466
Total																
1980	85	34	119	868	101	31	132	470	4	4	8	27	190	69	259	1365
1981	103	34	137	802	93	23	116	385	0	6	6	15	196	63	259	1202
1982	81	25	106	866	84	25	109	422	1	2	3	7	166	52	218	1295
1983	57	32	89	827	77	30	107	459	2	8	10	9	136	70	206	1295
1984	63	26	89	977	61	28	89	460	10	6	16	13	134	60	194	1450
1985	57	17	74	959	60	23	83	486	5	2	7	21	122	42	164	1466
1986	44	26	70	885	54	22	76	533	3	6	9	16	101	54	155	1434
1987	59	16	75	989	64	30	94	555	2	4	6	22	125	50	175	1566

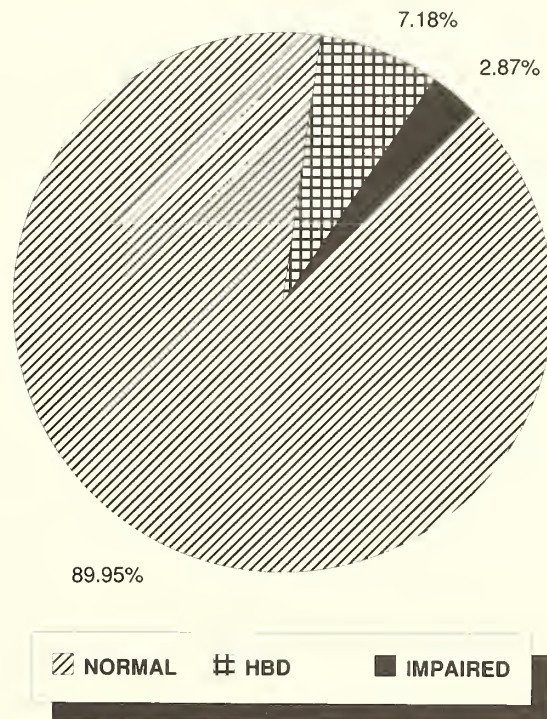
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MUSKOKA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



NIAGARA REGIONAL MUNICIPALITY

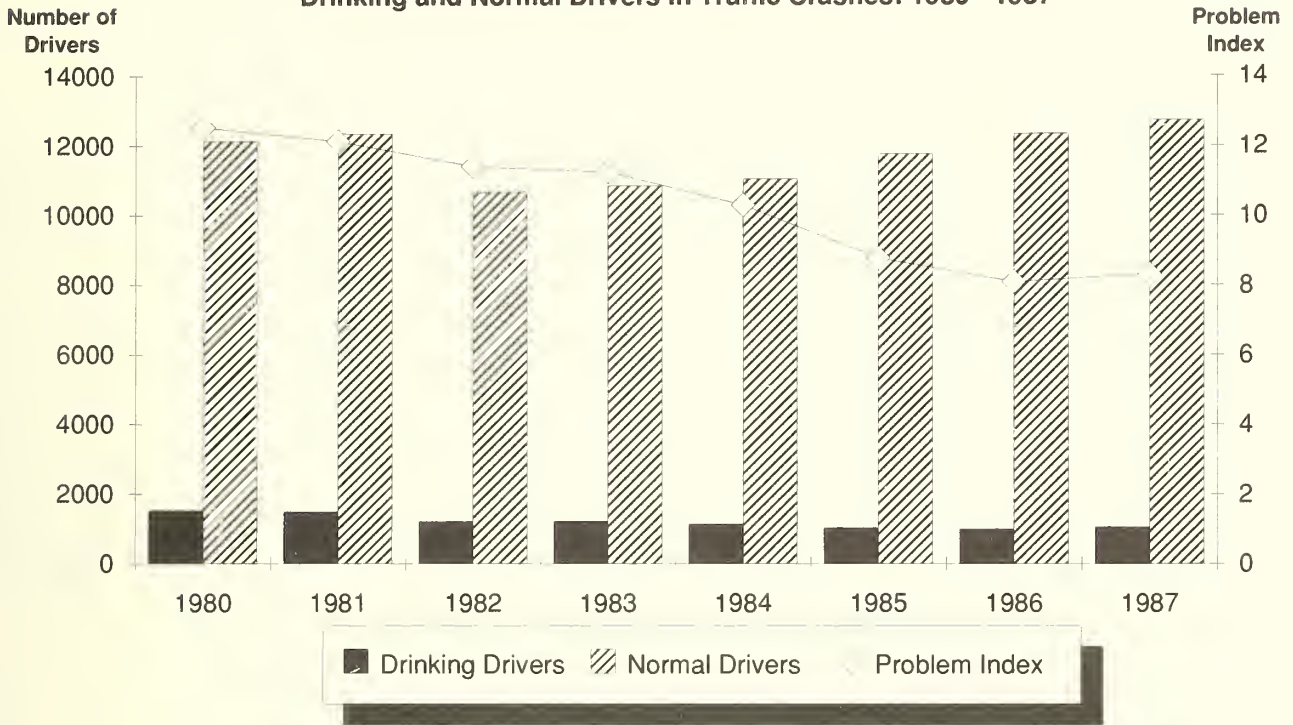
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	480	232	712	5771	460	166	626	2902	9	10	19	35	949	408	1357	8708
1981	435	256	691	5837	409	200	609	2813	10	17	27	30	854	473	1327	8680
1982	356	194	550	4837	365	148	513	2539	6	14	20	36	727	356	1083	7412
1983	326	192	518	4905	358	148	506	2454	8	11	19	31	692	351	1043	7390
1984	337	177	514	4969	315	147	462	2611	13	11	24	31	665	335	1000	7611
1985	276	144	420	5115	313	142	455	2855	9	11	20	31	598	297	895	8001
1986	261	149	410	5270	292	148	440	3041	8	14	22	29	561	311	872	8340
1987	290	127	417	5211	313	168	481	3175	3	17	20	37	606	312	918	8423
Female																
1980	49	27	76	2208	65	20	85	1208	1	1	2	8	115	48	163	3424
1981	48	24	72	2389	73	22	95	1261	2	0	2	9	123	46	169	3659
1982	47	21	68	2156	52	11	63	1091	1	1	2	8	100	33	133	3255
1983	55	41	96	2283	66	13	79	1148	0	0	0	14	121	54	175	3445
1984	40	25	65	2262	56	13	69	1153	1	0	1	8	97	38	135	3423
1985	43	23	66	2320	47	19	66	1422	2	1	3	11	92	43	135	3753
1986	39	27	66	2443	47	10	57	1540	0	1	1	6	86	38	124	3989
1987	42	23	65	2564	51	20	71	1723	0	2	2	15	93	45	138	4302
Total																
1980	529	259	788	7979	525	186	711	4110	10	11	21	43	1064	456	1520	12132
1981	483	280	763	8226	482	222	704	4074	12	17	29	39	977	519	1496	12339
1982	403	215	618	6993	417	159	576	3630	7	15	22	44	827	389	1216	10667
1983	381	233	614	7188	424	161	585	3602	8	11	19	45	813	405	1218	10835
1984	377	202	579	7231	371	160	531	3764	14	11	25	39	762	373	1135	11034
1985	319	167	486	7435	360	161	521	4277	11	12	23	42	690	340	1030	11754
1986	300	176	476	7713	339	158	497	4581	8	15	23	35	647	349	996	12329
1987	332	150	482	7775	364	188	552	4898	3	19	22	52	699	357	1056	12725

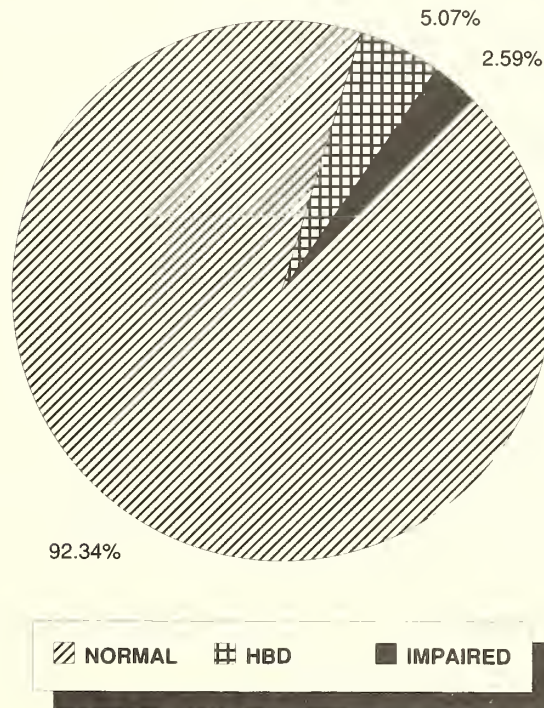
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NIAGARA REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



NIPISSING

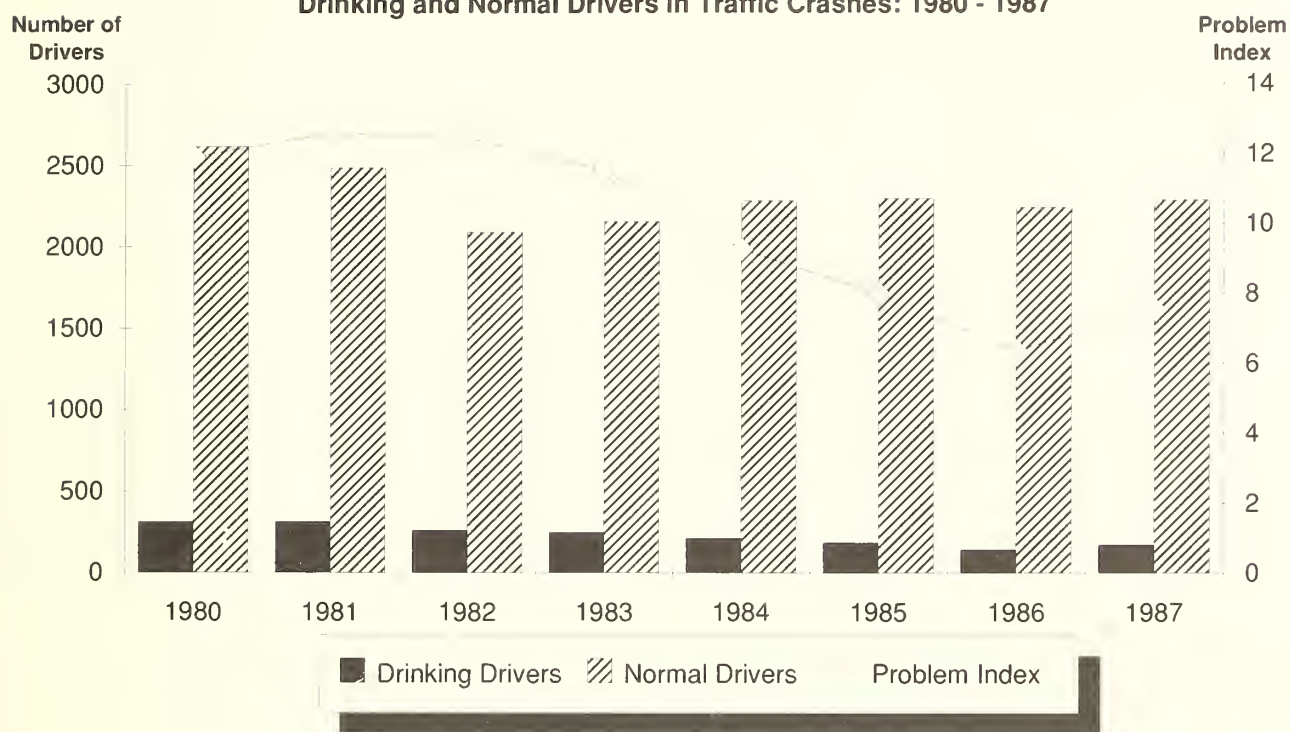
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	100	44	144	1292	96	42	138	638	4	3	7	15	200	89	289	1945
1981	93	48	141	1207	88	61	149	641	0	4	4	13	181	113	294	1861
1982	83	32	115	1036	72	40	112	500	3	4	7	10	158	76	234	1546
1983	79	38	117	1019	49	41	90	552	4	3	7	22	132	82	214	1593
1984	66	33	99	1105	57	30	87	547	2	1	3	14	125	64	189	1666
1985	52	25	77	978	52	33	85	655	1	2	3	10	105	60	165	1643
1986	40	14	54	934	41	30	71	618	1	0	1	8	82	44	126	1560
1987	38	27	65	942	39	45	84	622	2	4	6	11	79	76	155	1575
Female																
1980	7	1	8	412	12	3	15	257	0	0	0	2	19	4	23	671
1981	7	1	8	380	9	2	11	242	0	0	0	2	16	3	19	624
1982	10	6	16	342	8	2	10	198	0	0	0	2	18	8	26	542
1983	9	5	14	345	13	6	19	213	0	1	1	2	22	12	34	560
1984	6	5	11	376	4	6	10	238	0	1	1	1	10	12	22	615
1985	4	3	7	376	7	4	11	271	0	0	0	3	11	7	18	650
1986	5	2	7	401	7	2	9	276	0	0	0	2	12	4	16	679
1987	8	2	10	390	7	0	7	314	0	0	0	4	15	2	17	708
Total																
1980	107	45	152	1704	108	45	153	895	4	3	7	17	219	93	312	2616
1981	100	49	149	1587	97	63	160	883	0	4	4	15	197	116	313	2485
1982	93	38	131	1378	80	42	122	698	3	4	7	12	176	84	260	2088
1983	88	43	131	1364	62	47	109	765	4	4	8	24	154	94	248	2153
1984	72	38	110	1481	61	36	97	785	2	2	4	15	135	76	211	2281
1985	56	28	84	1354	59	37	96	926	1	2	3	13	116	67	183	2293
1986	45	16	61	1335	48	32	80	894	1	0	1	10	94	48	142	2239
1987	46	29	75	1332	46	45	91	936	2	4	6	15	94	78	172	2283

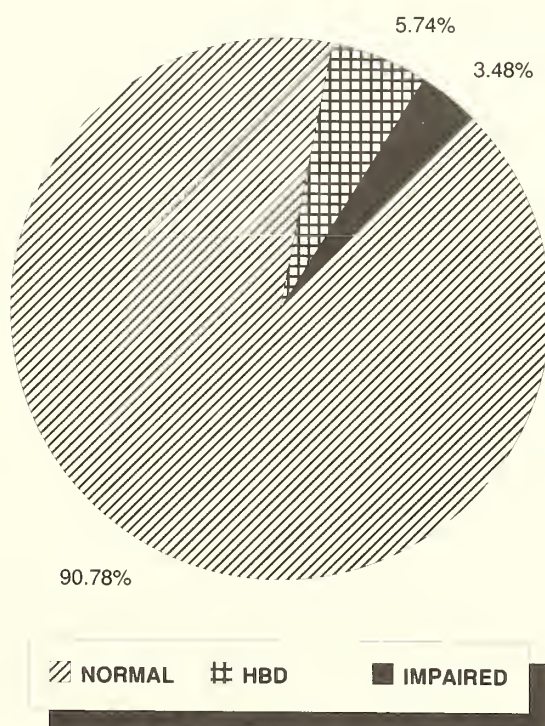
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NIPISSING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



NORTHUMBERLAND

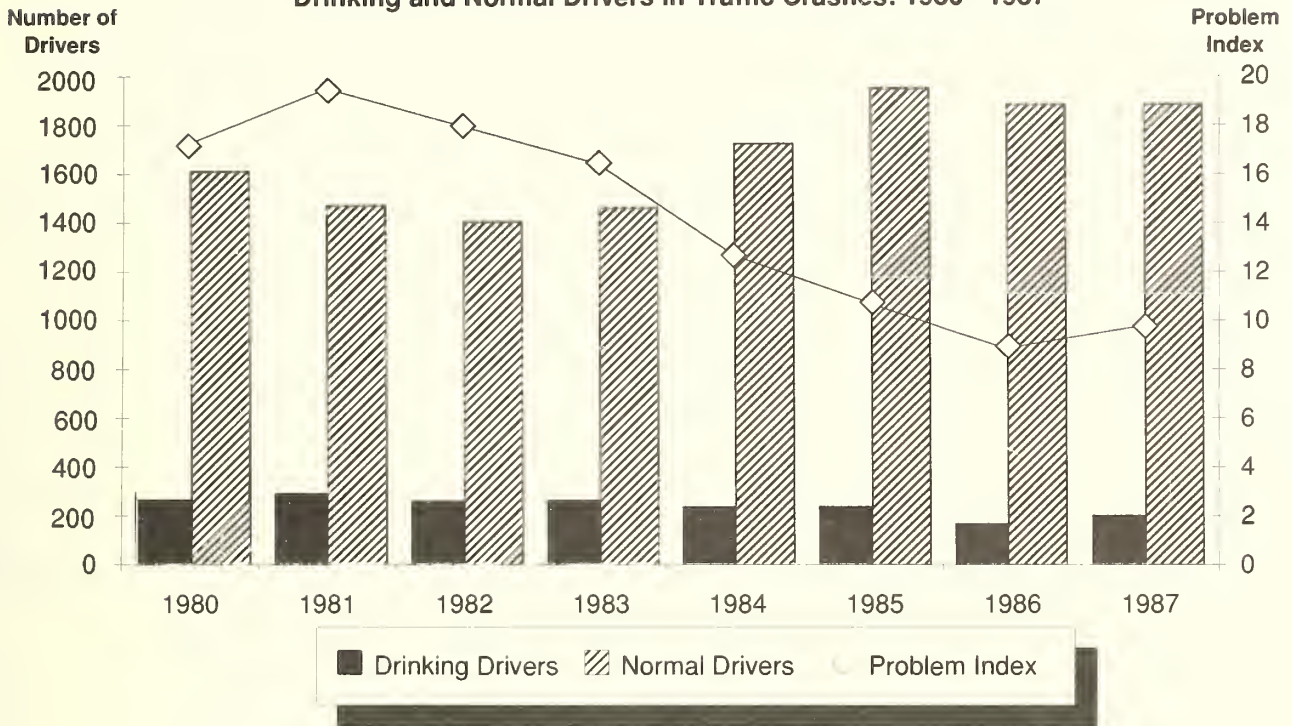
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	47	123	710	105	33	138	468	5	3	8	10	186	83	269	1188
1981	89	40	129	660	123	22	145	451	3	5	8	17	215	67	282	1128
1982	83	36	119	675	91	27	118	377	1	8	9	11	175	71	246	1063
1983	68	37	105	653	80	42	122	391	6	4	10	14	154	83	237	1058
1984	69	32	101	805	77	30	107	446	1	4	5	9	147	66	213	1260
1985	59	24	83	802	82	25	107	562	3	7	10	10	144	56	200	1374
1986	35	22	57	763	66	20	86	516	1	5	6	24	102	47	149	1303
1987	47	23	70	782	60	37	97	493	0	7	7	16	107	67	174	1291
Female																
1980	10	0	10	282	14	2	16	172	0	2	2	2	24	4	28	456
1981	11	3	14	231	10	1	11	192	0	0	0	0	21	4	25	423
1982	4	0	4	237	14	7	21	169	0	1	1	0	18	8	26	406
1983	5	2	7	258	9	3	12	193	0	1	1	4	14	6	20	455
1984	7	0	7	348	7	3	10	193	0	1	1	3	14	4	18	544
1985	7	3	10	346	11	1	12	271	0	2	2	5	18	6	24	622
1986	6	3	9	343	6	4	10	254	0	0	0	4	12	7	19	601
1987	4	3	7	350	10	3	13	282	1	1	2	7	15	7	22	639
Total																
1980	86	47	133	992	119	35	154	640	5	5	10	12	210	87	297	1644
1981	100	43	143	891	133	23	156	643	3	5	8	17	236	71	307	1551
1982	87	36	123	912	105	34	139	546	1	9	10	11	193	79	272	1469
1983	73	39	112	911	89	45	134	584	6	5	11	18	168	89	257	1513
1984	76	32	108	1153	84	33	117	639	1	5	6	12	161	70	231	1804
1985	66	27	93	1148	93	26	119	833	3	9	12	15	162	62	224	1996
1986	41	25	66	1106	72	24	96	770	1	5	6	28	114	54	168	1904
1987	51	26	77	1132	70	40	110	775	1	8	9	23	122	74	196	1930

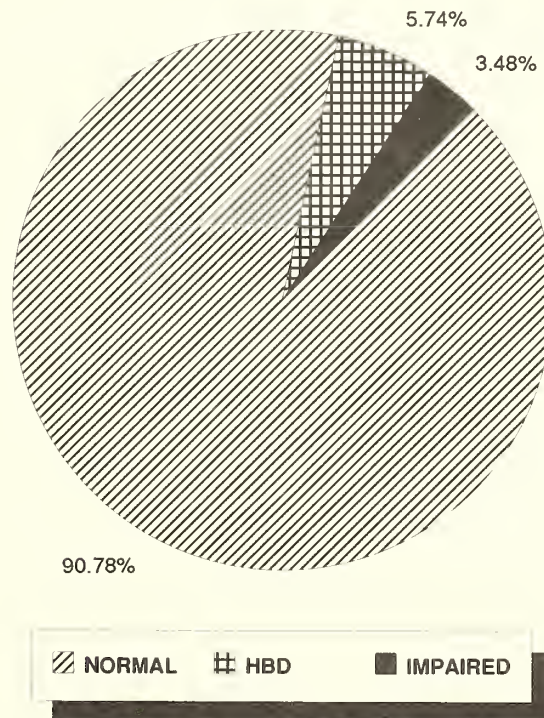
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NORTHUMBERLAND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



OTTAWA-CARLETON REGIONAL MUNICIPALITY

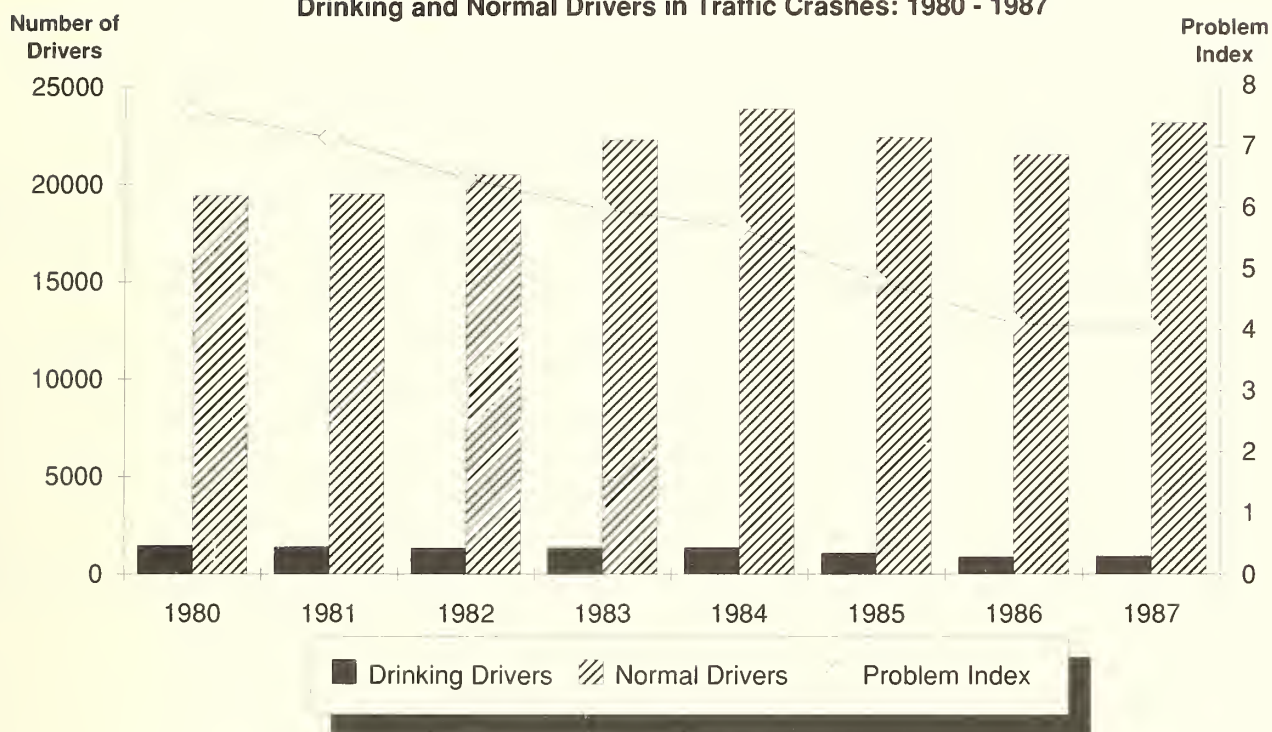
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	474	317	791	10622	320	208	528	3896	10	11	21	39	804	536	1340	14557
1981	473	269	742	10671	335	170	505	3891	7	6	13	39	815	445	1260	14601
1982	443	237	680	11223	311	169	480	4221	3	10	13	27	757	416	1173	15471
1983	422	239	661	11950	322	175	497	4545	8	17	25	40	752	431	1183	16535
1984	428	245	673	12800	297	200	497	4753	14	9	23	57	739	454	1193	17610
1985	293	211	504	11173	275	157	432	5228	7	13	20	36	575	381	956	16437
1986	212	169	381	10664	219	158	377	4893	6	11	17	38	437	338	775	15595
1987	238	204	442	11170	214	154	368	5404	11	9	20	39	463	367	830	16613
Female																
1980	42	28	70	3449	49	16	65	1402	1	1	2	8	92	45	137	4859
1981	44	26	70	3471	52	13	65	1402	0	1	1	6	96	40	136	4879
1982	57	28	85	3547	56	11	67	1435	1	1	2	2	114	40	154	4984
1983	50	29	79	3980	49	19	68	1713	0	0	0	6	99	48	147	5699
1984	57	38	95	4407	43	19	62	1782	2	0	2	8	102	57	159	6197
1985	39	24	63	3838	34	19	53	2065	2	0	2	5	75	43	118	5908
1986	33	23	56	3785	34	14	48	2057	0	1	1	11	67	38	105	5853
1987	18	29	47	4054	31	14	45	2367	0	1	1	13	49	44	93	6434
Total																
1980	516	345	861	14071	369	224	593	5298	11	12	23	47	896	581	1477	19416
1981	517	295	812	14142	387	183	570	5293	7	7	14	45	911	485	1396	19480
1982	500	265	765	14770	367	180	547	5656	4	11	15	29	871	456	1327	20455
1983	472	268	740	15930	371	194	565	6258	8	17	25	46	851	479	1330	22234
1984	485	283	768	17207	340	219	559	6535	16	9	25	65	841	511	1352	23807
1985	332	235	567	15011	309	176	485	7293	9	13	22	41	650	424	1074	22345
1986	245	192	437	14449	253	172	425	6950	6	12	18	49	504	376	880	21448
1987	256	233	489	15224	245	168	413	7771	11	10	21	52	512	411	923	23047

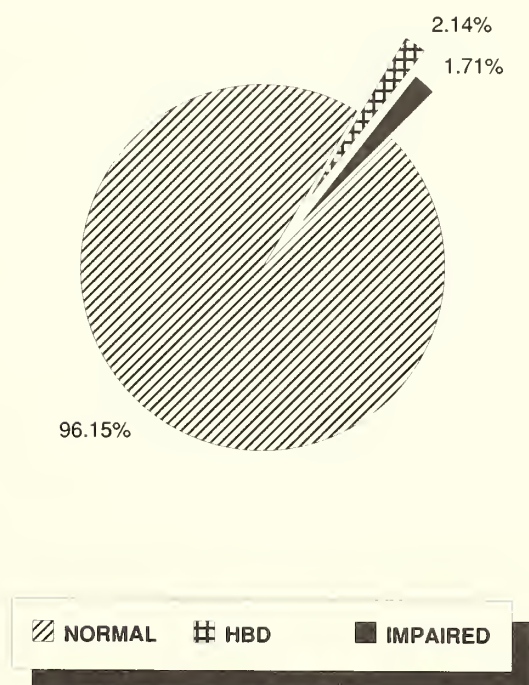
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OTTAWA-CARLETON REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



OXFORD

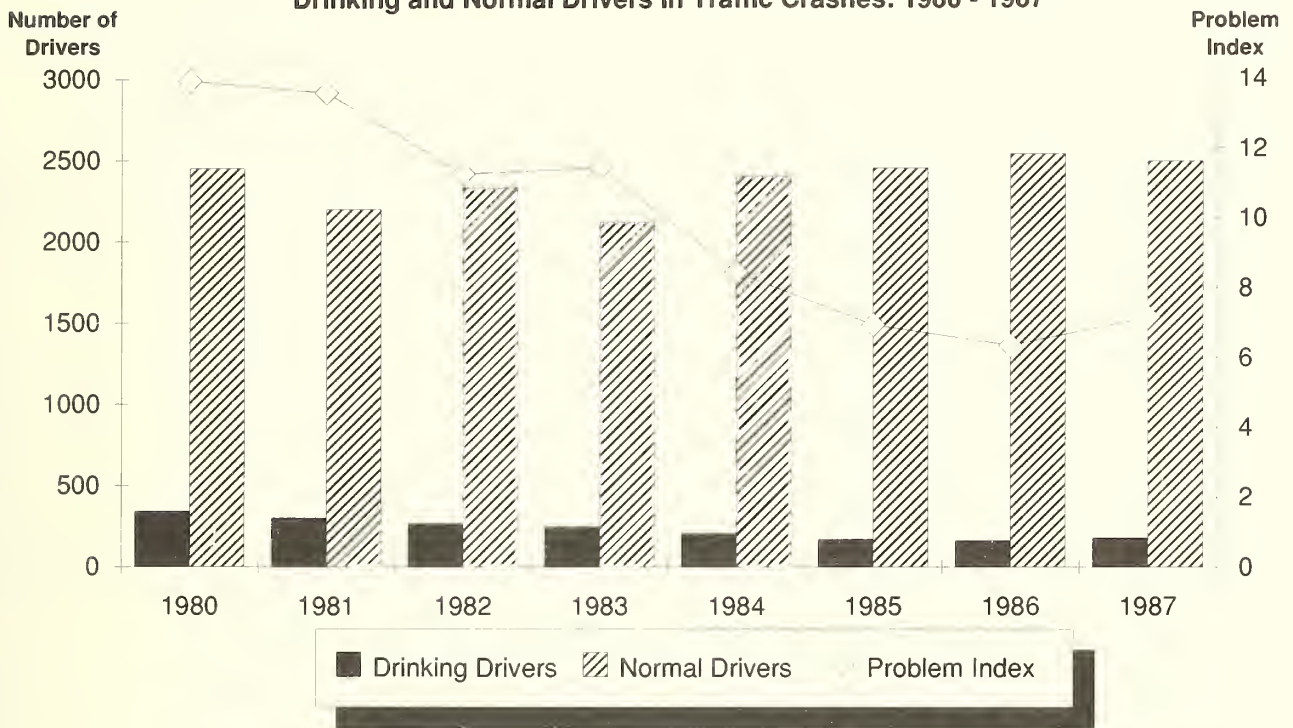
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	98	57	155	1120	101	38	139	644	4	11	15	20	203	106	309	1784
1981	92	44	136	1075	82	29	111	481	5	8	13	19	179	81	260	1575
1982	72	47	119	1012	81	33	114	572	3	5	8	10	156	85	241	1594
1983	64	39	103	948	76	27	103	542	2	5	7	12	142	71	213	1502
1984	54	37	91	1084	74	17	91	557	1	1	2	4	129	55	184	1645
1985	47	19	66	1055	59	19	78	652	2	1	3	16	108	39	147	1723
1986	41	25	66	1058	39	35	74	671	0	2	2	19	80	62	142	1748
1987	43	23	66	956	56	29	85	680	1	8	9	18	100	60	160	1654
Female																
1980	6	6	12	398	16	4	20	263	0	1	1	6	22	11	33	667
1981	9	5	14	415	17	8	25	204	0	0	0	4	26	13	39	623
1982	5	7	12	455	8	1	9	282	0	1	1	2	13	9	22	739
1983	9	4	13	394	14	2	16	224	1	0	1	2	24	6	30	620
1984	8	2	10	495	5	3	8	260	1	0	1	3	14	5	19	758
1985	9	1	10	429	11	1	12	298	0	1	1	0	20	3	23	727
1986	5	0	5	464	11	3	14	322	0	0	0	3	16	3	19	789
1987	0	2	2	464	11	5	16	361	0	0	0	10	11	7	18	835
Total																
1980	104	63	167	1518	117	42	159	907	4	12	16	26	225	117	342	2451
1981	101	49	150	1490	99	37	136	685	5	8	13	23	205	94	299	2198
1982	77	54	131	1467	89	34	123	854	3	6	9	12	169	94	263	2333
1983	73	43	116	1342	90	29	119	766	3	5	8	14	166	77	243	2122
1984	62	39	101	1579	79	20	99	817	2	1	3	7	143	60	203	2403
1985	56	20	76	1484	70	20	90	950	2	2	4	16	128	42	170	2450
1986	46	25	71	1522	50	38	88	993	0	2	2	22	96	65	161	2537
1987	43	25	68	1420	67	34	101	1041	1	8	9	28	111	67	178	2489

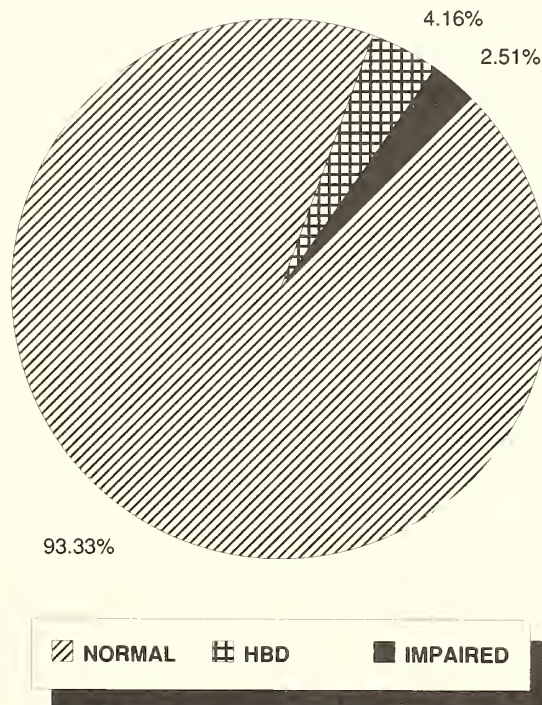
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OXFORD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PARRY SOUND

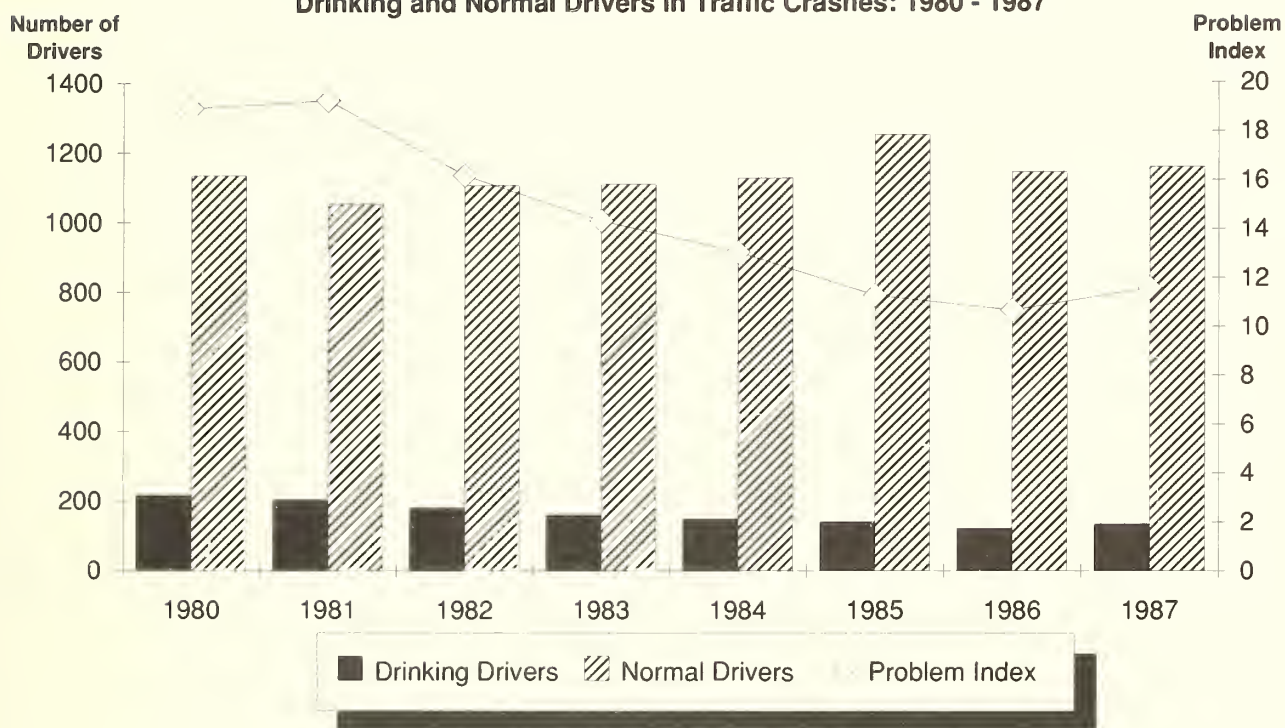
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	60	36	96	549	81	21	102	320	1	5	6	20	142	62	204	889
1981	64	31	95	518	61	21	82	276	4	4	8	26	129	56	185	820
1982	58	29	87	559	55	16	71	272	4	2	6	14	117	47	164	845
1983	53	21	74	506	51	13	64	297	2	2	4	30	106	36	142	833
1984	51	11	62	566	55	13	68	286	0	3	3	10	106	27	133	862
1985	34	22	56	605	53	16	69	317	1	5	6	15	88	43	131	937
1986	29	22	51	529	31	28	59	295	2	3	5	16	62	53	115	840
1987	27	20	47	462	46	22	68	366	1	4	5	16	74	46	120	844
Female																
1980	3	3	6	133	5	0	5	109	0	0	0	3	8	3	11	245
1981	4	0	4	148	12	2	14	81	0	0	0	4	16	2	18	233
1982	5	1	6	167	6	3	9	91	0	0	0	2	11	4	15	260
1983	2	5	7	176	9	1	10	94	0	0	0	6	11	6	17	276
1984	8	1	9	171	5	0	5	93	0	0	0	0	13	1	14	264
1985	3	1	4	203	4	2	6	104	0	0	0	6	7	3	10	313
1986	2	2	4	208	2	0	2	90	0	1	1	5	4	3	7	303
1987	0	1	1	169	7	5	12	137	0	1	1	7	7	7	14	313
Total																
1980	63	39	102	682	86	21	107	429	1	5	6	23	150	65	215	1134
1981	68	31	99	666	73	23	96	357	4	4	8	30	145	58	203	1053
1982	63	30	93	726	61	19	80	363	4	2	6	16	128	51	179	1105
1983	55	26	81	682	60	14	74	391	2	2	4	36	117	42	159	1109
1984	59	12	71	737	60	13	73	379	0	3	3	10	119	28	147	1126
1985	37	23	60	808	57	18	75	421	1	5	6	21	95	46	141	1250
1986	31	24	55	737	33	28	61	385	2	4	6	21	66	56	122	1143
1987	27	21	48	631	53	27	80	503	1	5	6	23	81	53	134	1157

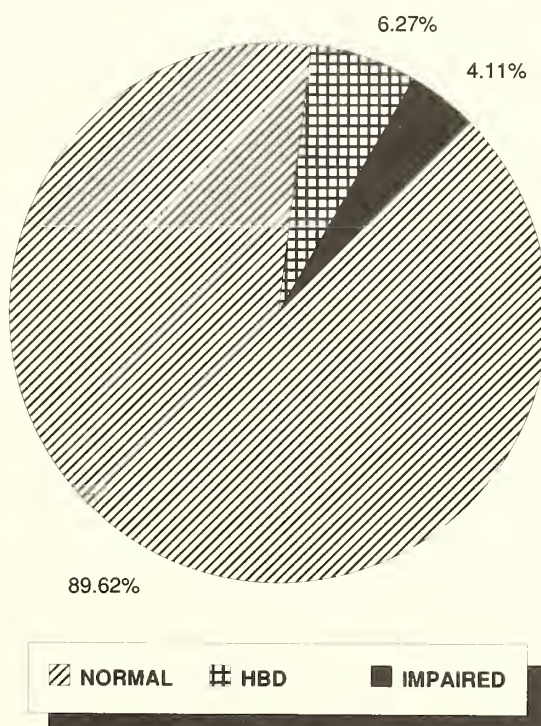
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PARRY SOUND

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PEEL

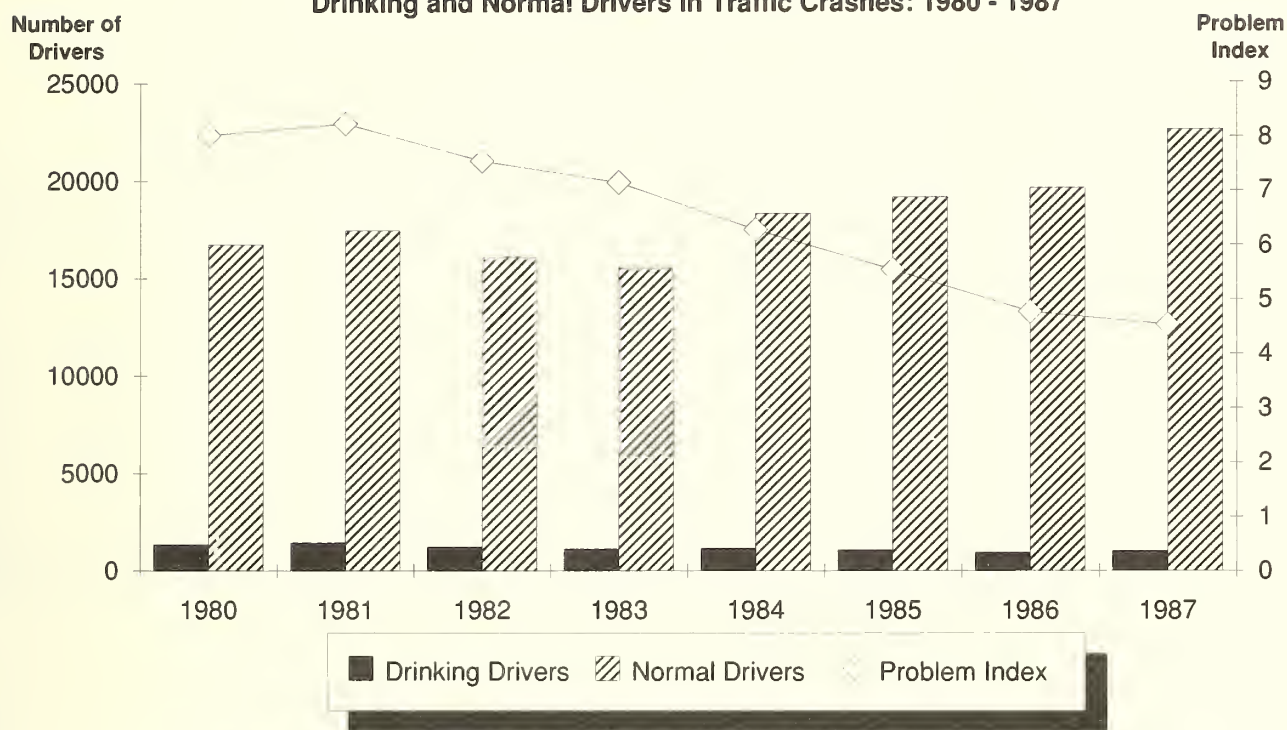
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	349	276	625	8313	321	259	580	3978	13	15	13	57	683	550	1218	12348
1981	393	234	627	8465	364	282	646	4180	12	13	25	50	769	529	1298	12695
1982	317	230	547	7708	295	238	533	3829	6	19	25	36	618	487	1105	11573
1983	235	209	444	7234	279	235	514	3822	12	15	27	46	526	459	985	11102
1984	255	231	486	8460	283	225	508	4634	10	12	22	40	548	468	1016	13134
1985	235	201	436	8344	238	248	486	5173	10	13	23	55	483	462	945	13572
1986	179	169	348	8274	232	229	461	5531	5	10	15	47	416	408	824	13852
1987	235	190	425	9415	220	245	465	6328	2	18	20	80	457	453	910	15823
Female																
1980	35	13	48	2838	39	23	62	1527	1	1	2	14	75	37	112	4379
1981	37	27	64	3071	41	32	73	1653	2	2	4	22	80	61	141	4746
1982	40	20	60	2894	31	19	50	1610	1	0	1	12	72	39	111	4516
1983	33	22	55	2787	43	25	68	1614	1	2	3	18	77	49	126	4419
1984	31	29	60	3204	41	33	74	1937	0	0	0	12	72	62	134	5153
1985	27	25	52	3190	41	22	63	2345	0	1	1	16	68	48	116	5551
1986	20	25	45	3306	36	27	63	2417	1	1	2	13	57	53	110	5736
1987	29	18	47	3726	40	23	63	3005	2	1	3	26	71	42	113	6757
Total																
1980	384	289	673	11151	360	282	642	5505	14	16	30	71	758	587	1345	16727
1981	430	261	691	11536	405	314	719	5833	14	15	29	72	849	590	1439	17441
1982	357	250	607	10602	326	257	583	5439	7	19	26	48	690	526	1216	16089
1983	268	231	499	10021	322	260	582	5436	13	17	30	64	603	508	1111	15521
1984	286	260	546	11664	324	258	582	6571	10	12	22	52	620	530	1150	18287
1985	262	226	488	11534	279	270	549	7518	10	14	24	71	551	510	1061	19123
1986	199	194	393	11580	268	256	524	7948	6	11	17	60	473	461	934	19588
1987	264	208	472	13141	260	268	528	9333	4	19	23	106	528	495	1023	22580

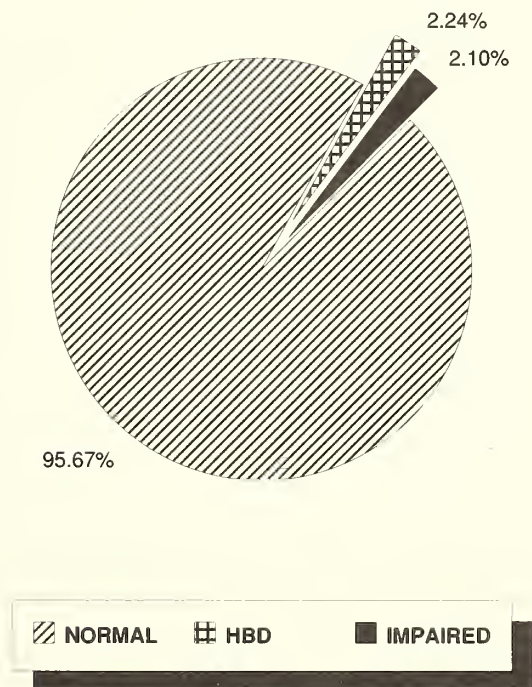
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PEEL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PERTH

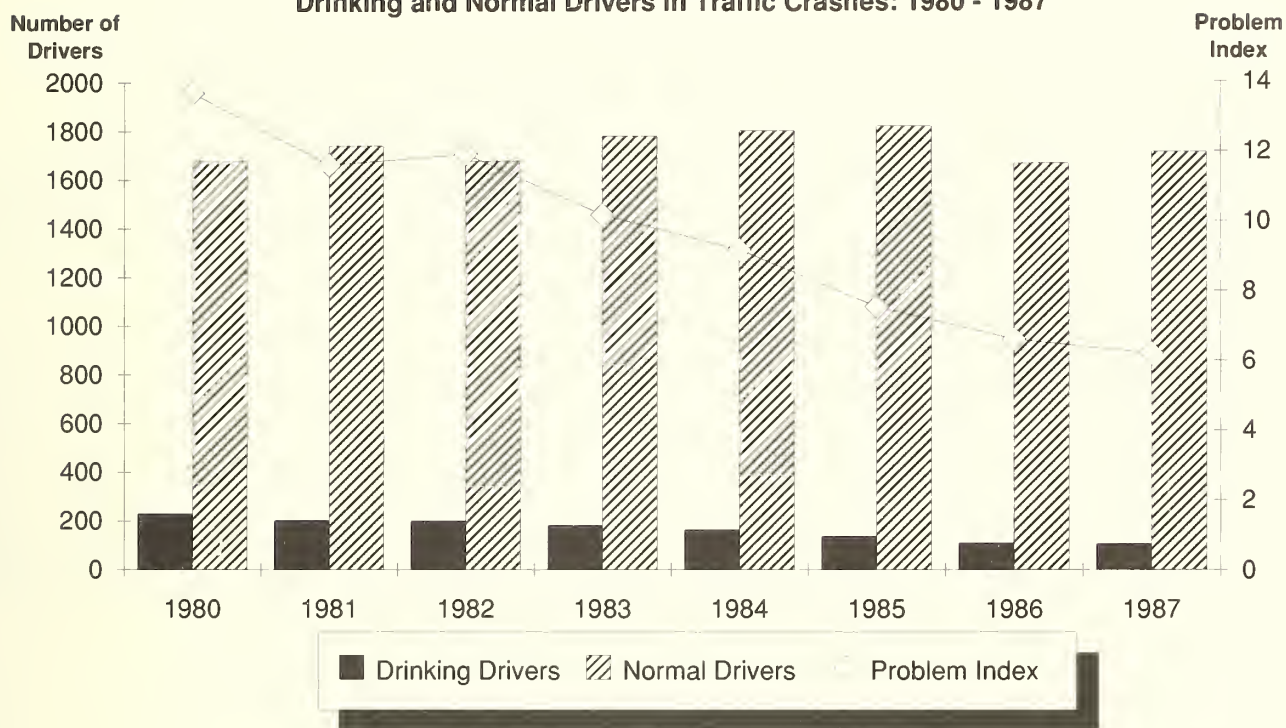
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	77	30	107	846	77	21	98	372	2	2	4	12	156	53	209	1230
1981	57	30	87	837	69	27	96	391	2	2	4	13	128	59	187	1241
1982	62	25	87	784	64	24	88	386	1	3	4	7	127	52	179	1177
1983	51	18	69	809	63	24	87	365	4	1	5	6	118	43	161	1180
1984	53	18	71	865	52	20	72	347	2	0	2	7	107	38	145	1219
1985	46	21	67	783	34	14	48	422	0	0	0	10	80	35	115	1215
1986	31	20	51	721	30	14	44	375	1	1	2	19	62	35	97	1115
1987	32	14	46	719	35	12	47	400	2	1	3	8	69	27	96	1127
Female																
1980	5	2	7	291	10	2	12	156	1	1	2	2	16	5	21	449
1981	4	3	7	321	4	3	7	174	1	0	1	2	9	6	15	497
1982	16	0	16	339	3	1	4	159	1	0	1	1	20	1	21	499
1983	7	4	11	404	7	1	8	190	0	1	1	3	14	6	20	597
1984	7	6	13	392	4	3	7	183	0	0	0	4	11	9	20	579
1985	9	5	14	388	6	2	8	209	0	0	0	5	15	7	22	602
1986	3	3	6	341	6	1	7	204	0	0	0	5	9	4	13	550
1987	3	0	3	351	5	2	7	231	0	0	0	2	8	2	10	584
Total																
1980	82	32	114	1137	87	23	110	528	3	3	6	14	172	58	230	1679
1981	61	33	94	1158	73	30	103	565	3	2	5	15	137	65	202	1738
1982	78	25	103	1123	67	25	92	545	2	3	5	8	147	53	200	1676
1983	58	22	80	1213	70	25	95	555	4	2	6	9	132	49	181	1777
1984	60	24	84	1257	56	23	79	530	2	0	2	11	118	47	165	1798
1985	55	26	81	1171	40	16	56	631	0	0	0	15	95	42	137	1817
1986	34	23	57	1062	36	15	51	579	1	1	2	24	71	39	110	1665
1987	35	14	49	1070	40	14	54	631	2	1	3	10	77	29	106	1711

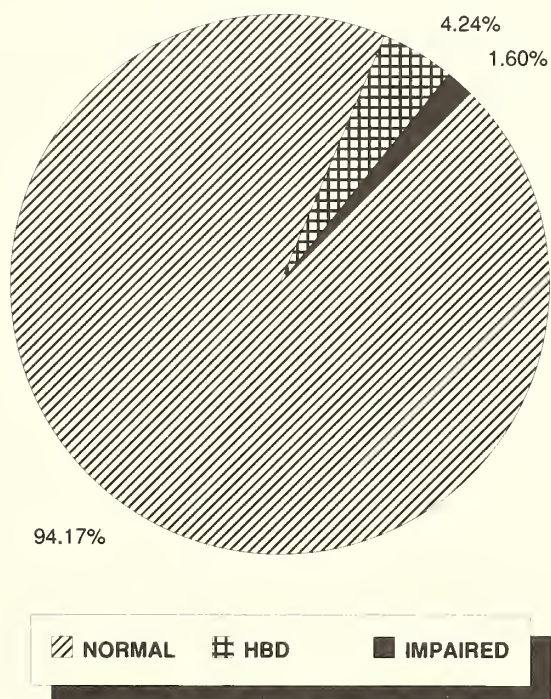
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PERTH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PETERBOROUGH

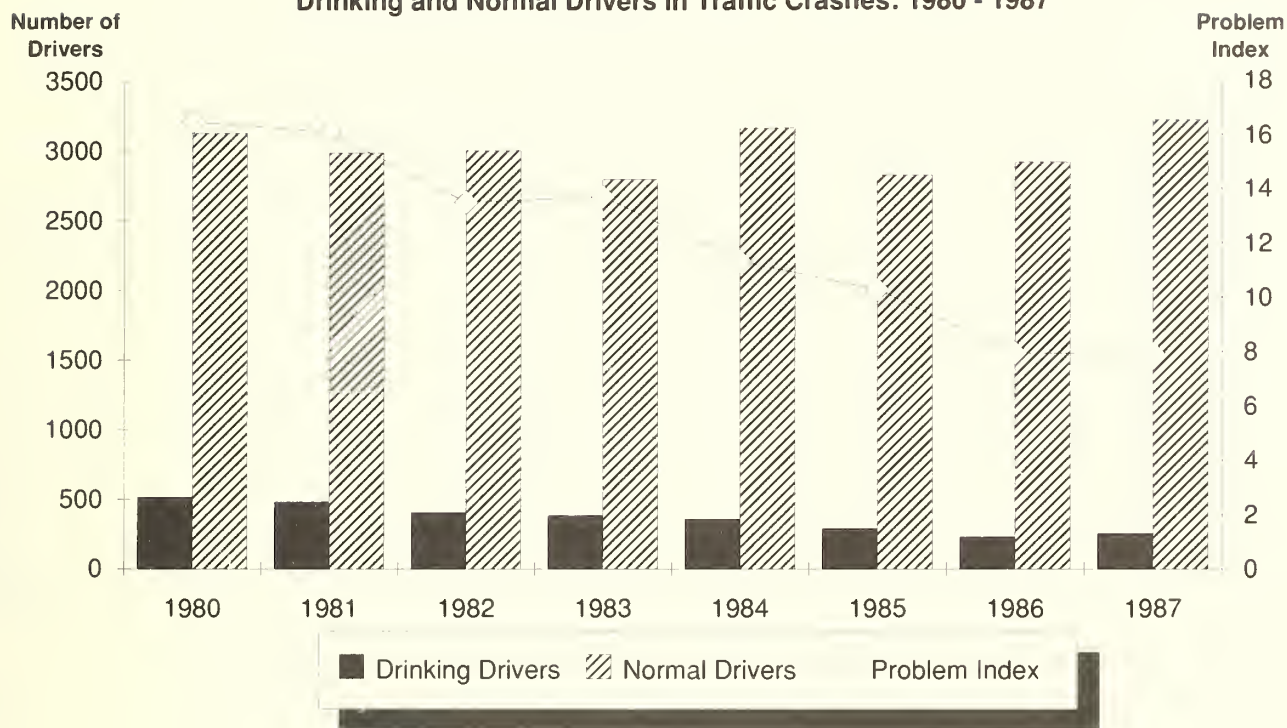
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	165	65	230	1405	166	71	237	796	5	5	10	13	336	141	477	2214
1981	151	67	218	1345	139	63	202	752	5	9	14	7	295	139	434	2104
1982	139	58	197	1350	126	39	165	675	0	3	3	9	265	100	365	2034
1983	88	71	159	1232	86	81	167	633	2	7	9	8	176	159	335	1873
1984	92	58	150	1319	100	65	165	808	5	4	9	4	197	127	324	2131
1985	64	71	135	1153	72	60	132	775	1	0	1	5	137	131	268	1933
1986	35	40	75	1168	60	65	125	771	1	5	6	8	96	110	206	1947
1987	56	52	108	1260	60	55	115	862	2	3	5	7	118	110	228	2129
Female																
1980	14	5	19	542	17	2	19	369	0	1	1	1	31	8	39	912
1981	20	4	24	530	21	2	23	347	0	0	0	2	41	6	47	879
1982	16	3	19	641	20	1	21	325	0	1	1	1	36	5	41	967
1983	13	10	23	583	16	9	25	331	0	0	0	5	29	19	48	919
1984	5	6	11	619	12	9	21	403	0	2	2	5	17	17	34	1027
1985	3	5	8	511	8	5	13	375	1	0	1	1	12	10	22	887
1986	4	8	12	544	8	4	12	416	1	0	1	2	13	12	25	962
1987	9	3	12	623	5	10	15	462	0	0	0	0	14	13	27	1085
Total																
1980	179	70	249	1947	183	73	256	1165	5	6	11	14	367	149	516	3126
1981	171	71	242	1875	160	65	225	1099	5	9	14	9	336	145	481	2983
1982	155	61	216	1991	146	40	186	1000	0	4	4	10	301	105	406	3001
1983	101	81	182	1815	102	90	192	964	2	7	9	13	205	178	383	2792
1984	97	64	161	1938	112	74	186	1211	5	6	11	9	214	144	358	3158
1985	67	76	143	1664	80	65	145	1150	2	0	2	6	149	141	290	2820
1986	39	48	87	1712	68	69	137	1187	2	5	7	10	109	122	231	2909
1987	65	55	120	1883	65	65	130	1324	2	3	5	7	132	123	255	3214

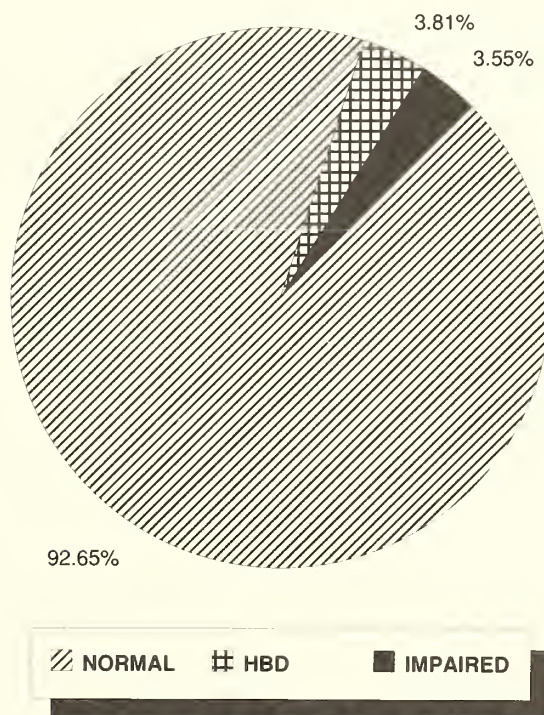
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PETERBOROUGH

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PRESCOTT

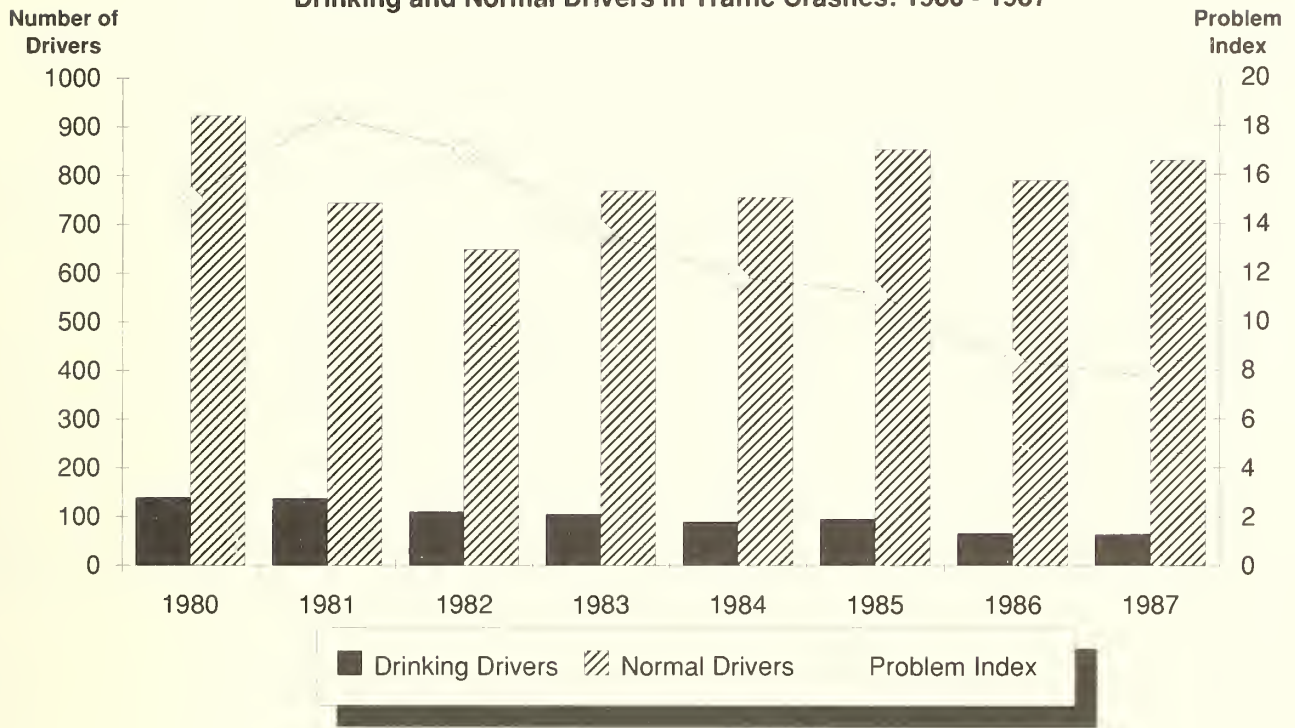
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	49	20	69	508	33	21	54	187	3	3	6	7	85	44	129	702
1981	50	24	74	401	37	16	53	160	1	1	2	3	88	41	129	564
1982	38	14	52	343	30	22	52	154	0	1	1	4	68	37	105	501
1983	35	15	50	379	38	11	49	180	1	0	1	5	74	26	100	564
1984	26	7	33	407	32	15	47	170	0	0	0	0	58	22	80	577
1985	28	18	46	388	30	9	39	236	1	3	4	7	59	30	89	631
1986	22	2	24	399	22	10	32	168	0	1	1	3	44	13	57	570
1987	10	14	24	396	20	10	30	211	3	2	5	1	33	26	59	608
Female																
1980	4	0	4	141	4	2	6	79	0	0	0	0	8	2	10	220
1981	2	1	3	120	5	0	5	58	0	0	0	1	7	1	8	179
1982	1	0	1	87	3	1	4	59	0	0	0	0	4	1	5	146
1983	1	1	2	127	2	0	2	75	1	0	1	1	4	1	5	203
1984	3	0	3	115	3	2	5	61	0	1	1	0	6	3	9	176
1985	2	0	2	128	3	0	3	92	1	0	1	0	6	0	6	220
1986	3	0	3	127	3	3	6	87	0	0	0	3	6	3	9	217
1987	0	0	0	142	4	0	4	77	0	1	1	1	4	1	5	220
Total																
1980	53	20	73	649	37	23	60	266	3	3	6	7	93	46	139	922
1981	52	25	77	521	42	16	58	218	1	1	2	4	95	42	137	743
1982	39	14	53	430	33	23	56	213	0	1	1	4	72	38	110	647
1983	36	16	52	506	40	11	51	255	2	0	2	6	78	27	105	767
1984	29	7	36	522	35	17	52	231	0	1	1	0	64	25	89	753
1985	30	18	48	516	33	9	42	328	2	3	5	7	65	30	95	851
1986	25	2	27	526	25	13	38	255	0	1	1	6	50	16	66	787
1987	10	14	24	538	24	10	34	288	3	3	6	2	37	27	64	828

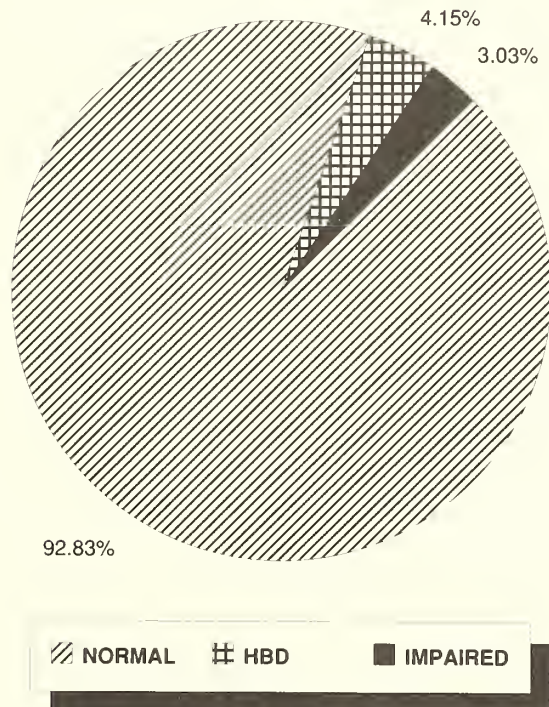
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PRESCOTT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



PRINCE EDWARD

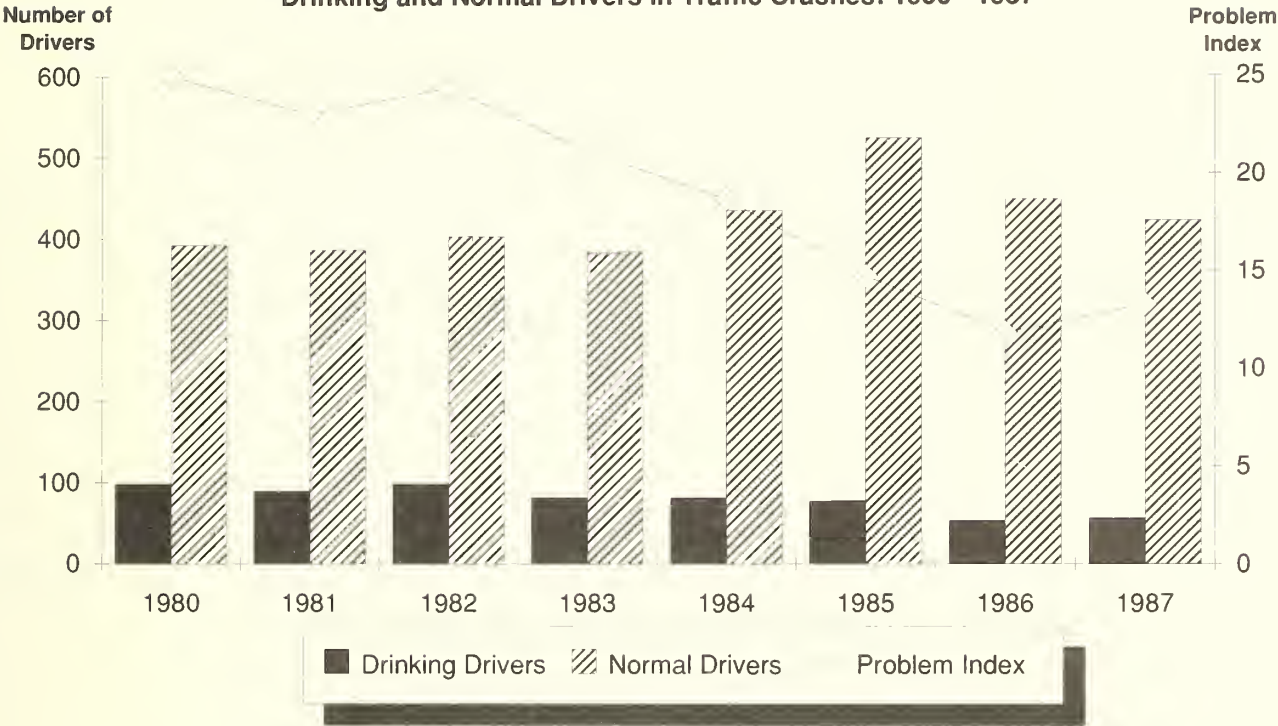
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	27	16	43	199	22	14	36	83	3	3	6	1	52	33	85	283
1981	27	21	48	186	23	7	30	80	0	2	2	5	50	30	80	271
1982	30	13	43	186	29	14	43	96	1	3	4	2	60	30	90	284
1983	20	14	34	182	25	11	36	74	0	1	1	1	45	26	71	257
1984	28	12	40	217	25	10	35	89	1	0	1	4	54	22	76	310
1985	19	12	31	236	29	11	40	131	0	2	2	1	48	25	73	368
1986	8	9	17	196	13	10	23	98	1	2	3	2	22	21	43	296
1987	18	6	24	180	15	10	25	98	0	1	1	1	33	17	50	279
Female																
1980	3	3	6	68	7	0	7	41	0	0	0	0	10	3	13	109
1981	2	3	5	80	3	1	4	34	0	0	0	1	5	4	9	115
1982	4	1	5	79	3	0	3	38	0	0	0	1	7	1	8	118
1983	3	2	5	84	5	0	5	41	0	0	0	1	8	2	10	126
1984	1	0	1	92	3	1	4	31	0	0	0	1	4	1	5	124
1985	1	1	2	98	1	1	2	57	0	0	0	0	2	2	4	155
1986	2	2	4	105	5	1	6	47	0	0	0	0	7	3	10	152
1987	0	1	1	90	4	0	4	51	0	1	1	2	4	2	6	143
Total																
1980	30	19	49	267	29	14	43	124	3	3	6	1	62	36	98	392
1981	29	24	53	266	26	8	34	114	0	2	2	6	55	34	89	386
1982	34	14	48	265	32	14	46	134	1	3	4	3	67	31	98	402
1983	23	16	39	266	30	11	41	115	0	1	1	2	53	28	81	383
1984	29	12	41	309	28	11	39	120	1	0	1	5	58	23	81	434
1985	20	13	33	334	30	12	42	188	0	2	2	1	50	27	77	523
1986	10	11	21	301	18	11	29	145	1	2	3	2	29	24	53	448
1987	18	7	25	270	19	10	29	149	0	2	2	3	37	19	56	422

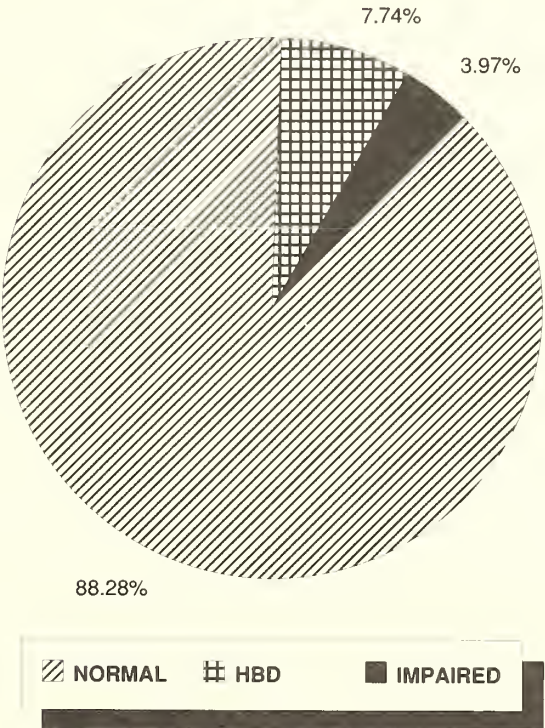
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PRINCE EDWARD

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



RAINY RIVER

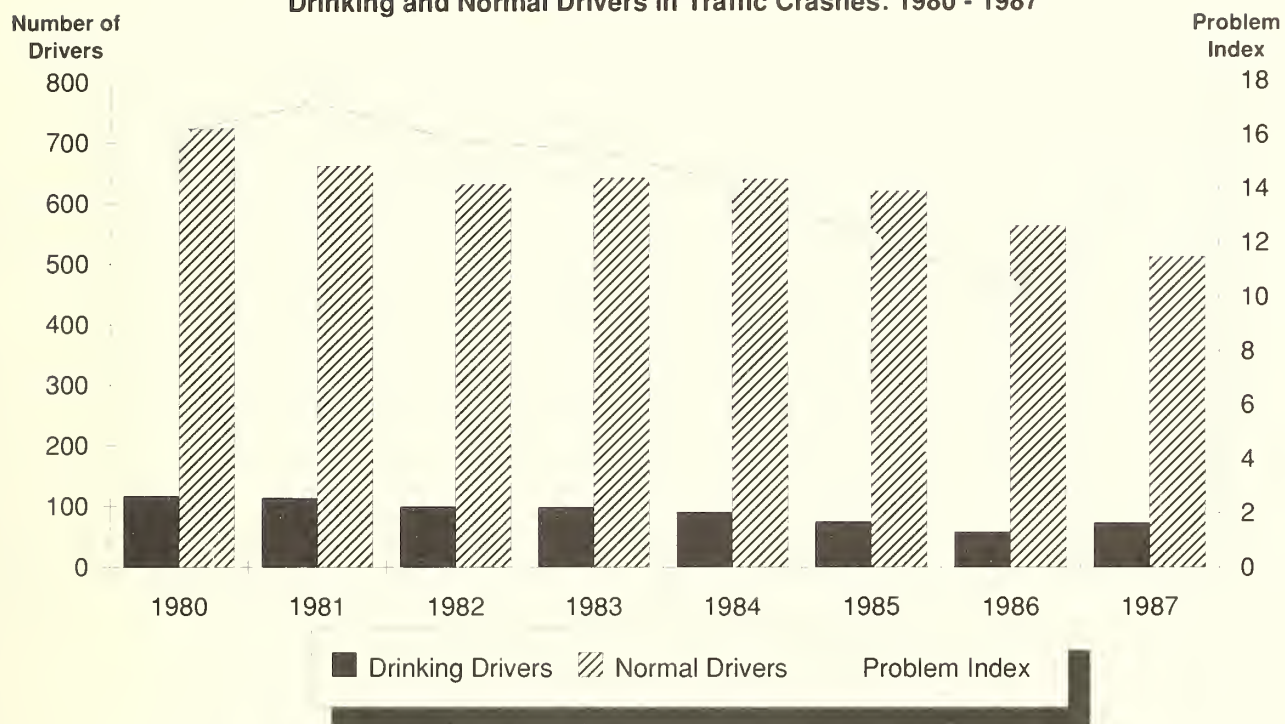
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	44	19	63	398	32	10	42	135	2	2	4	4	78	31	109	537
1981	35	17	52	382	27	16	43	108	1	1	2	0	63	34	97	490
1982	35	25	60	374	17	12	29	105	1	2	3	2	53	39	92	481
1983	31	18	49	344	25	10	35	128	1	2	3	4	57	30	87	476
1984	30	14	44	314	24	8	32	121	2	1	3	4	56	23	79	439
1985	24	6	30	339	19	13	32	127	0	1	1	0	43	20	63	466
1986	17	9	26	290	21	7	28	100	0	1	1	1	38	17	55	391
1987	21	9	30	257	18	8	26	99	2	2	4	3	41	19	60	359
Female																
1980	1	3	4	129	3	0	3	56	1	0	1	1	5	3	8	186
1981	7	2	9	124	5	3	8	48	0	0	0	0	12	5	17	172
1982	1	2	3	119	2	2	4	31	1	0	1	0	4	4	8	150
1983	3	2	5	109	6	1	7	54	0	0	0	2	9	3	12	165
1984	2	2	4	150	5	2	7	50	0	1	1	0	7	5	12	200
1985	3	2	5	99	3	3	6	54	0	1	1	0	6	6	12	153
1986	2	0	2	106	1	0	1	63	0	0	0	1	3	0	3	170
1987	2	3	5	93	5	2	7	58	1	0	1	0	8	5	13	151
Total																
1980	45	22	67	527	35	10	45	191	3	2	5	5	83	34	117	723
1981	42	19	61	506	32	19	51	156	1	1	2	0	75	39	114	662
1982	36	27	63	493	19	14	33	136	2	2	4	2	57	43	100	631
1983	34	20	54	453	31	11	42	182	1	2	3	6	66	33	99	641
1984	32	16	48	464	29	10	39	171	2	2	4	4	63	28	91	639
1985	27	8	35	438	22	16	38	181	0	2	2	0	49	26	75	619
1986	19	9	28	396	22	7	29	163	0	1	1	2	41	17	58	561
1987	23	12	35	350	23	10	33	157	3	2	5	3	49	24	73	510

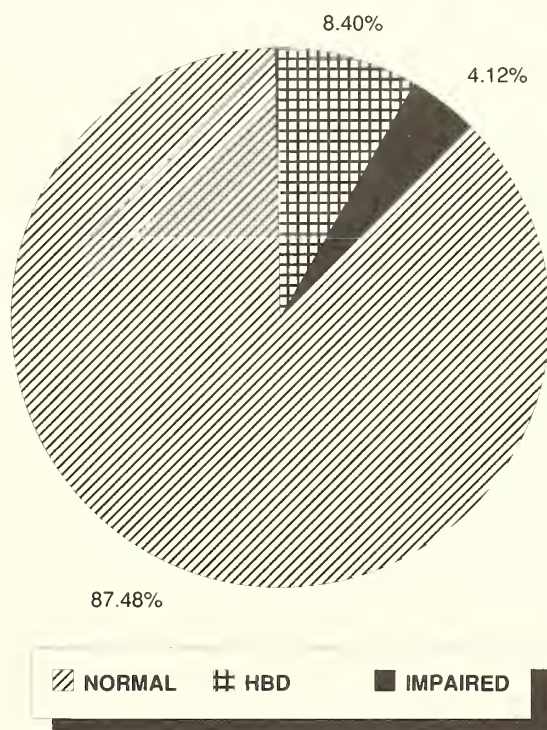
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RAINY RIVER

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



RENFREW

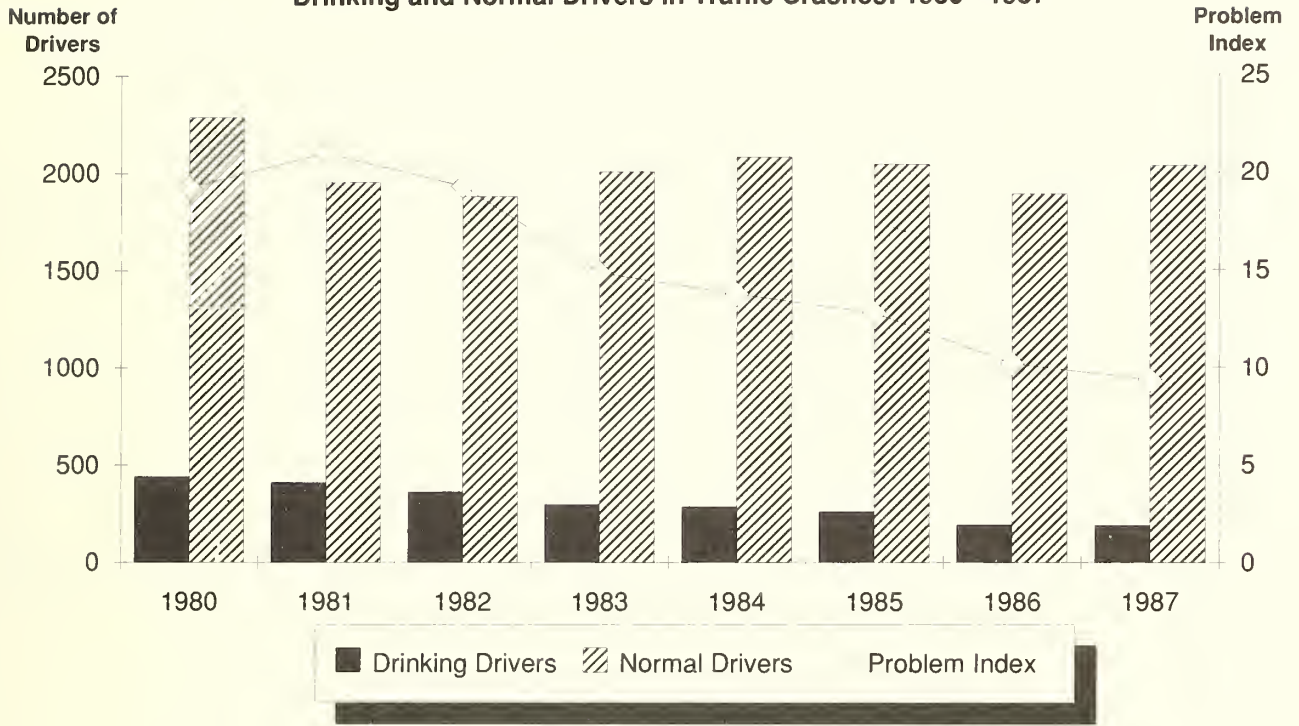
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	139	41	180	1160	159	51	210	516	8	7	15	19	306	99	405	1695
1981	126	61	187	945	132	38	170	472	7	10	17	15	265	109	374	1432
1982	111	48	159	912	115	39	154	461	7	7	14	22	233	94	327	1395
1983	88	48	136	1009	85	40	125	475	3	4	7	19	176	92	268	1503
1984	93	50	143	1036	80	31	111	454	3	2	5	19	176	83	259	1509
1985	82	30	112	952	94	32	126	465	3	5	8	11	179	67	246	1428
1986	54	28	82	862	61	26	87	448	3	4	7	14	118	58	176	1324
1987	55	28	83	881	64	21	85	492	1	4	5	15	120	53	173	1388
Female																
1980	10	4	14	385	16	5	21	202	1	0	1	5	27	9	36	592
1981	7	8	15	323	16	6	22	198	0	0	0	0	23	14	37	521
1982	13	4	17	310	13	4	17	172	2	0	2	2	28	8	36	484
1983	9	4	13	325	15	1	16	169	0	1	1	8	24	6	30	502
1984	10	4	14	384	11	1	12	177	1	0	1	8	22	5	27	569
1985	4	1	5	378	8	1	9	230	0	1	1	5	12	3	15	613
1986	4	4	8	322	7	1	8	237	0	0	0	4	11	5	16	563
1987	5	1	6	369	9	1	10	271	1	0	1	4	15	2	17	644
Total																
1980	149	45	194	1545	175	56	231	718	9	7	16	24	333	108	441	2287
1981	133	69	202	1268	148	44	192	670	7	10	17	15	288	123	411	1953
1982	124	52	176	1222	128	43	171	633	9	7	16	24	261	102	363	1879
1983	97	52	149	1334	100	41	141	644	3	5	8	27	200	98	298	2005
1984	103	54	157	1420	91	32	123	631	4	2	6	27	198	88	286	2078
1985	86	31	117	1330	102	33	135	695	3	6	9	16	191	70	261	2041
1986	58	32	90	1184	68	27	95	685	3	4	7	18	129	63	192	1887
1987	60	29	89	1250	73	22	95	763	2	4	6	19	135	55	190	2032

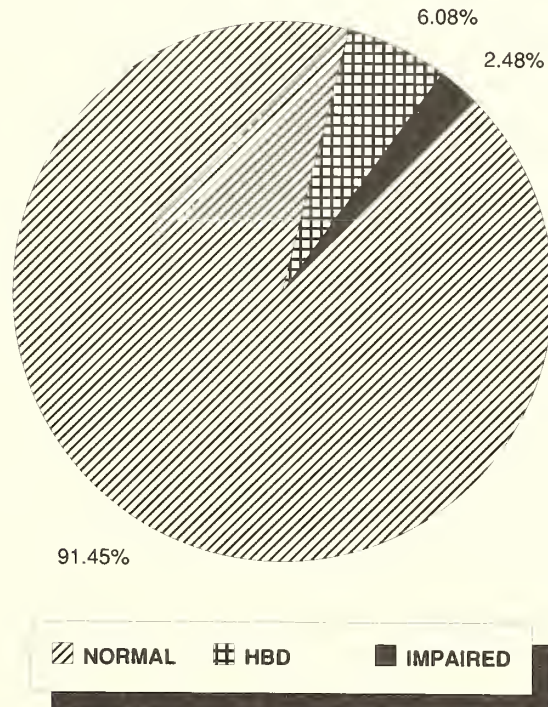
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RENFREW

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



RUSSELL

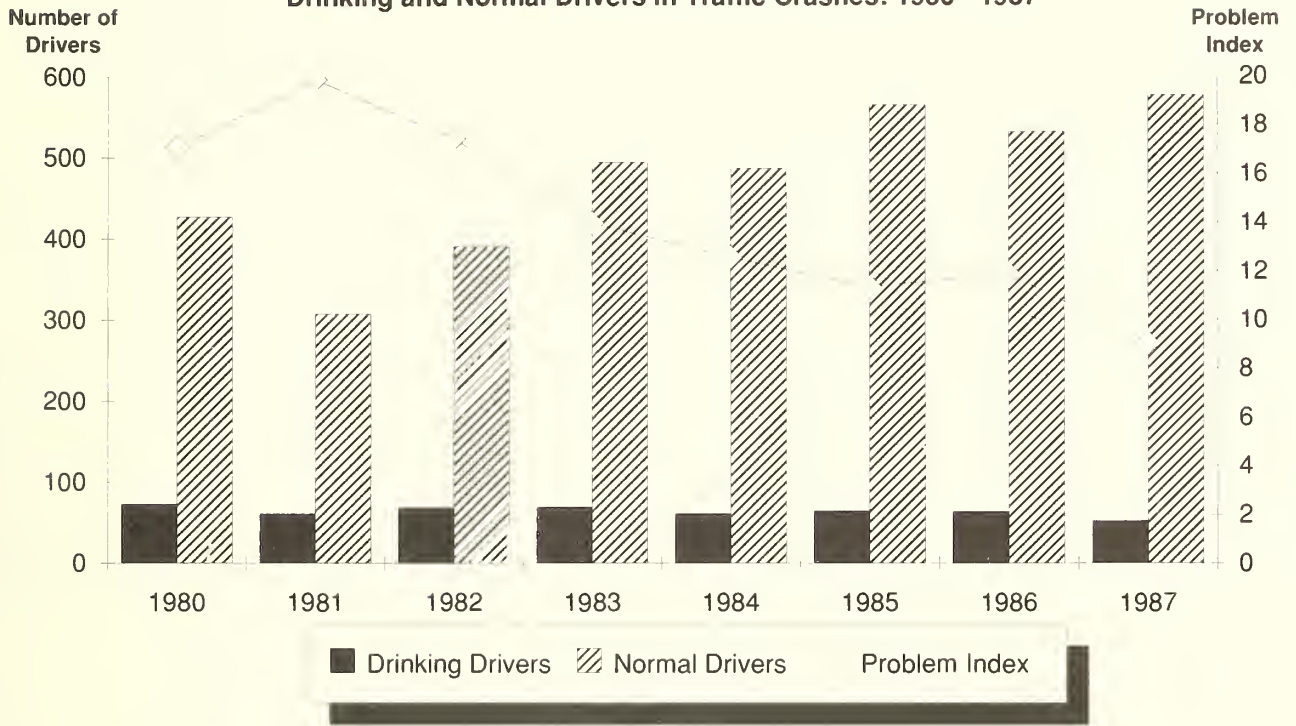
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	25	5	30	223	29	7	36	92	2	0	2	2	56	12	68	317
1981	17	6	23	141	21	9	30	80	0	1	1	3	38	16	54	224
1982	27	11	38	190	17	8	25	92	2	0	2	1	46	19	65	283
1983	22	12	34	233	17	12	29	122	1	1	2	4	40	25	65	359
1984	18	7	25	209	21	9	30	123	2	0	2	5	41	16	57	337
1985	20	7	27	237	24	5	29	148	0	1	1	4	44	13	57	389
1986	11	5	16	245	26	11	37	118	0	1	1	4	37	17	54	367
1987	10	10	20	270	12	13	25	145	1	3	4	6	23	26	49	421
Female																
1980	4	1	5	69	0	0	0	40	0	0	0	1	4	1	5	110
1981	3	1	4	46	3	0	3	36	0	0	0	1	6	1	7	83
1982	1	1	2	76	1	0	1	31	0	0	0	0	2	1	3	107
1983	0	1	1	84	2	1	3	48	0	0	0	3	2	2	4	135
1984	2	0	2	101	2	0	2	47	0	0	0	1	4	0	4	149
1985	2	1	3	91	3	1	4	83	0	0	0	1	5	2	7	175
1986	0	4	4	111	3	2	5	53	0	0	0	0	3	6	9	164
1987	2	0	2	102	0	1	1	52	0	0	0	1	2	1	3	155
Total																
1980	29	6	35	292	29	7	36	132	2	0	2	3	60	13	73	427
1981	20	7	27	187	24	9	33	116	0	1	1	4	44	17	61	307
1982	28	12	40	266	18	8	26	123	2	0	2	1	48	20	68	390
1983	22	13	35	317	19	13	32	170	1	1	2	7	42	27	69	494
1984	20	7	27	310	23	9	32	170	2	0	2	6	45	16	61	486
1985	22	8	30	328	27	6	33	231	0	1	1	5	49	15	64	564
1986	11	9	20	356	29	13	42	171	0	1	1	4	40	23	63	531
1987	12	10	22	372	12	14	26	197	1	3	4	7	25	27	52	576

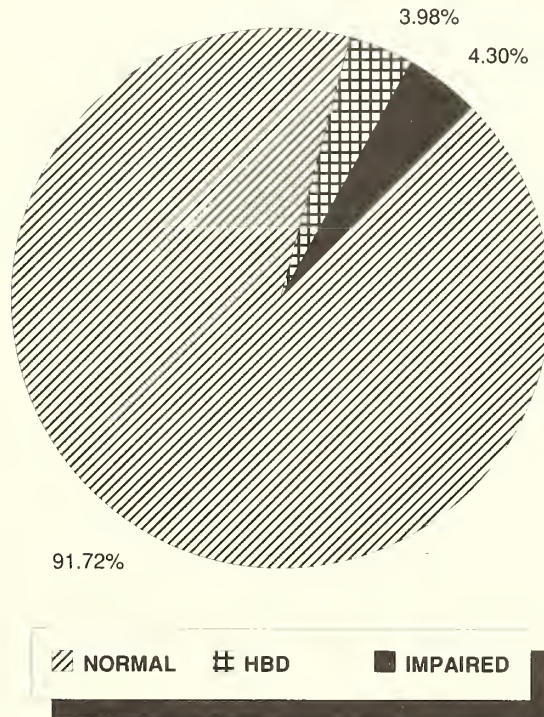
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RUSSELL

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



SIMCOE

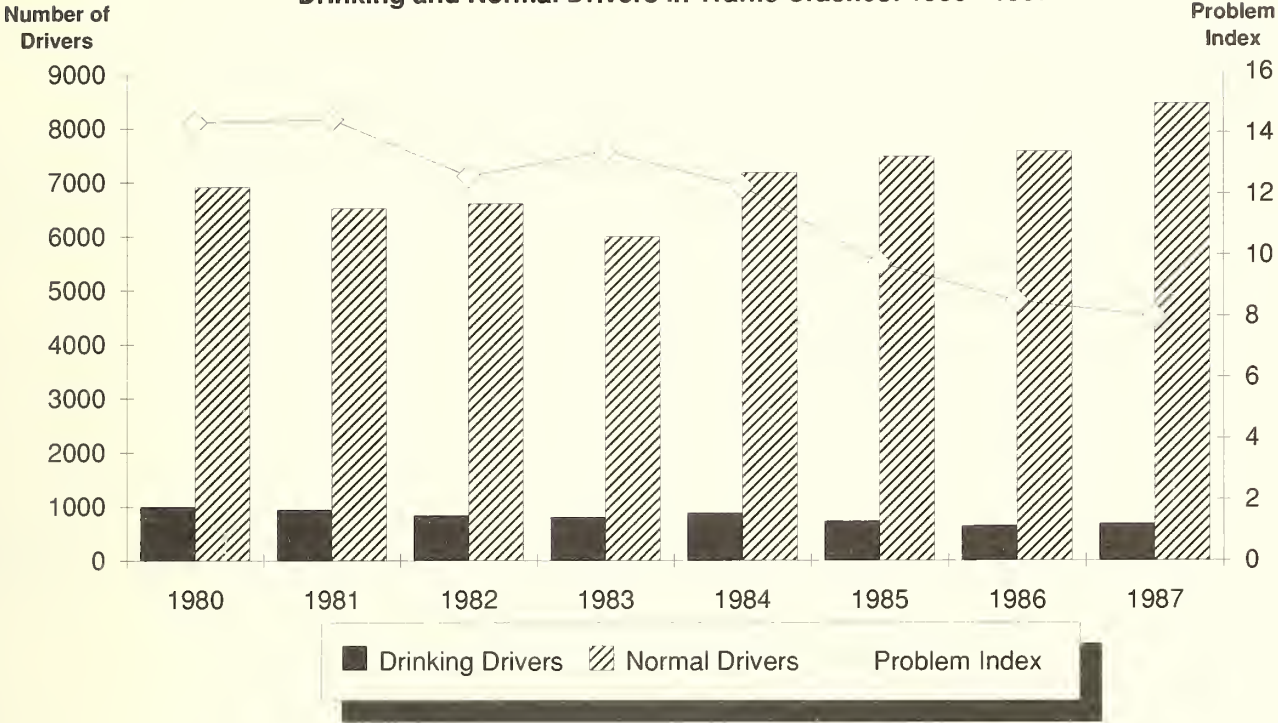
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	310	156	466	3157	280	142	422	1775	10	11	21	18	600	309	909	4950
1981	253	156	409	3043	287	136	423	1572	9	12	21	32	549	304	853	4647
1982	225	140	365	3067	232	132	364	1544	5	4	9	37	462	276	738	4648
1983	239	136	375	2731	204	118	322	1400	2	11	13	37	445	265	710	4168
1984	232	157	389	3266	240	124	364	1666	8	11	19	33	480	292	772	4965
1985	197	111	308	3300	222	110	332	1765	7	9	16	25	426	230	656	5090
1986	176	106	282	3308	157	115	272	1796	5	7	12	32	338	228	566	5136
1987	145	123	268	3455	167	148	315	2192	5	7	12	41	317	278	595	5688
Female																
1980	23	11	34	1208	42	10	52	746	1	0	1	7	66	21	87	1961
1981	25	17	42	1217	35	14	49	641	0	0	0	7	60	31	91	1865
1982	40	7	47	1271	39	8	47	662	0	0	0	10	79	15	94	1943
1983	37	9	46	1200	34	11	45	603	1	1	2	6	72	21	93	1809
1984	45	13	58	1446	37	9	46	735	2	0	2	8	84	22	106	2189
1985	21	12	33	1523	29	6	35	817	0	2	2	13	50	20	70	2353
1986	23	13	36	1466	29	8	37	922	1	0	1	12	53	21	74	2400
1987	14	8	22	1613	37	17	54	1095	0	1	1	15	51	26	77	2723
Total																
1980	333	167	500	4365	322	152	474	2521	11	11	22	25	666	330	996	6911
1981	278	173	451	4260	322	150	472	2213	9	12	21	39	609	335	944	6512
1982	265	147	412	4338	271	140	411	2206	5	4	9	47	541	291	832	6591
1983	276	145	421	3931	238	129	367	2003	3	12	15	43	517	286	803	5977
1984	277	170	447	4712	277	133	410	2401	10	11	21	41	564	314	878	7154
1985	218	123	341	4823	251	116	367	2582	7	11	18	38	476	250	726	7443
1986	199	119	318	4774	186	123	309	2718	6	7	13	44	391	249	640	7536
1987	159	131	290	5068	204	165	369	3287	5	8	13	56	368	304	672	8411

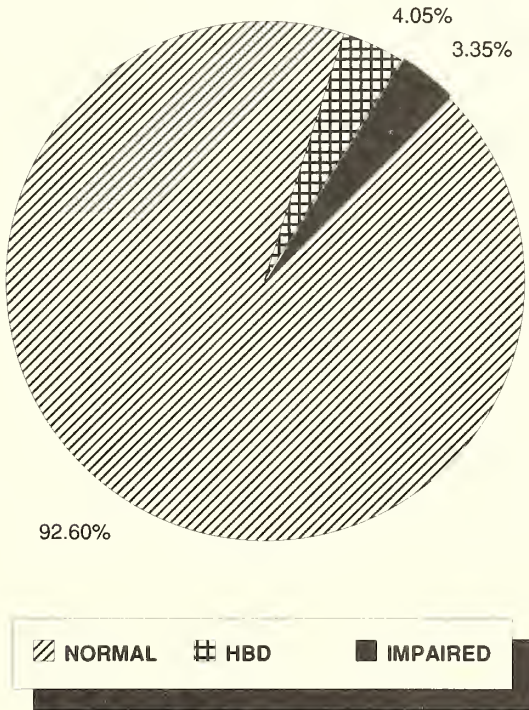
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SIMCOE

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



STORMONT

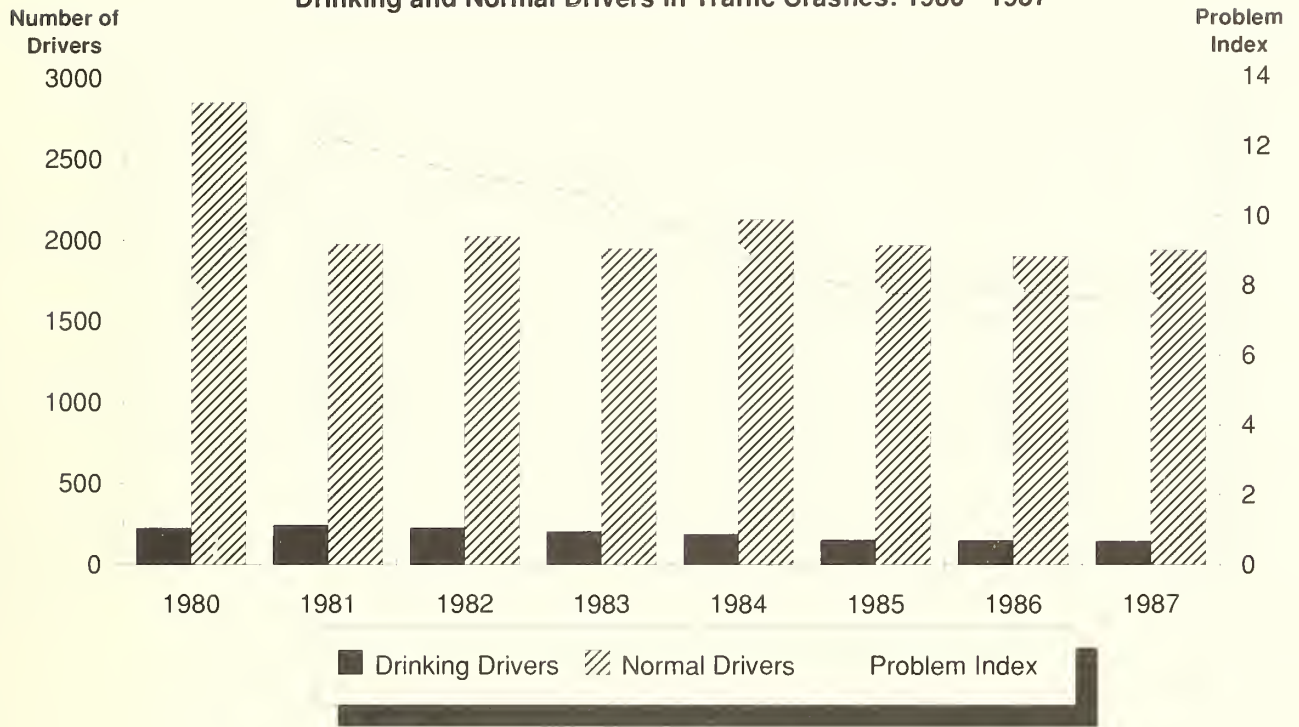
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	71	33	104	1811	77	27	104	467	0	2	2	6	148	62	210	2284
1981	64	44	108	945	90	23	113	485	0	1	1	4	154	68	222	1434
1982	68	31	99	944	82	26	108	548	0	4	4	5	150	61	211	1497
1983	53	41	94	932	60	25	85	458	0	4	4	9	113	70	183	1399
1984	53	34	87	1049	56	22	78	463	1	1	2	3	110	57	167	1515
1985	35	28	63	873	42	27	69	520	2	2	4	2	79	57	136	1395
1986	34	25	59	852	42	28	70	451	1	5	6	2	77	58	135	1305
1987	40	20	60	795	35	31	66	522	0	1	1	3	75	52	127	1320
Female																
1980	8	1	9	374	4	2	6	187	0	0	0	3	12	3	15	564
1981	12	1	13	324	8	0	8	216	0	0	0	1	20	1	21	541
1982	3	2	5	325	10	1	11	196	0	0	0	2	13	3	16	523
1983	8	1	9	337	10	1	11	207	1	2	3	1	19	4	23	545
1984	6	4	10	413	12	0	12	195	0	0	0	0	18	4	22	608
1985	8	2	10	342	5	1	6	222	0	0	0	3	13	3	16	567
1986	1	3	4	380	5	4	9	206	0	1	1	2	6	8	14	588
1987	4	4	8	374	6	3	9	234	0	0	0	2	10	7	17	610
Total																
1980	79	34	113	2185	81	29	110	654	0	2	2	9	160	65	225	2848
1981	76	45	121	1269	98	23	121	701	0	1	1	5	174	69	243	1975
1982	71	33	104	1269	92	27	119	744	0	4	4	7	163	64	227	2020
1983	61	42	103	1269	70	26	96	665	1	6	7	10	132	74	206	1944
1984	59	38	97	1462	68	22	90	658	1	1	2	3	128	61	189	2123
1985	43	30	73	1215	47	28	75	742	2	2	4	5	92	60	152	1962
1986	35	28	63	1232	47	32	79	657	1	6	7	4	83	66	149	1893
1987	44	24	68	1169	41	34	75	756	0	1	1	5	85	59	144	1930

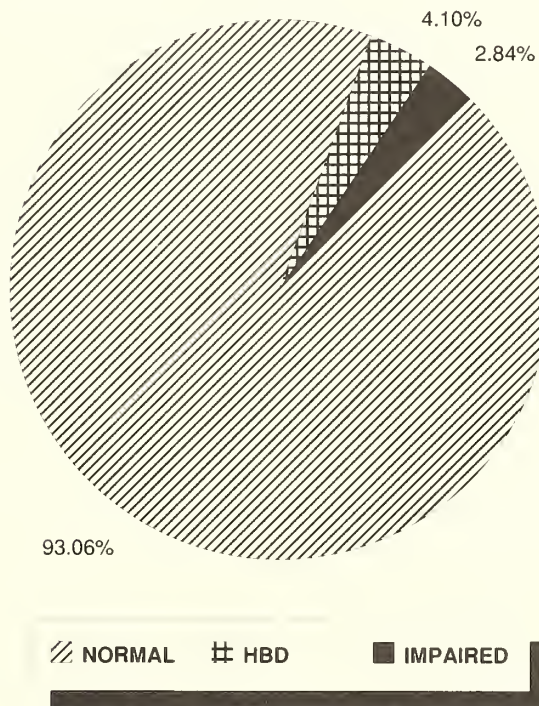
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STORMONT

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



SUDBURY DISTRICT & REGIONAL MUNICIPALITY

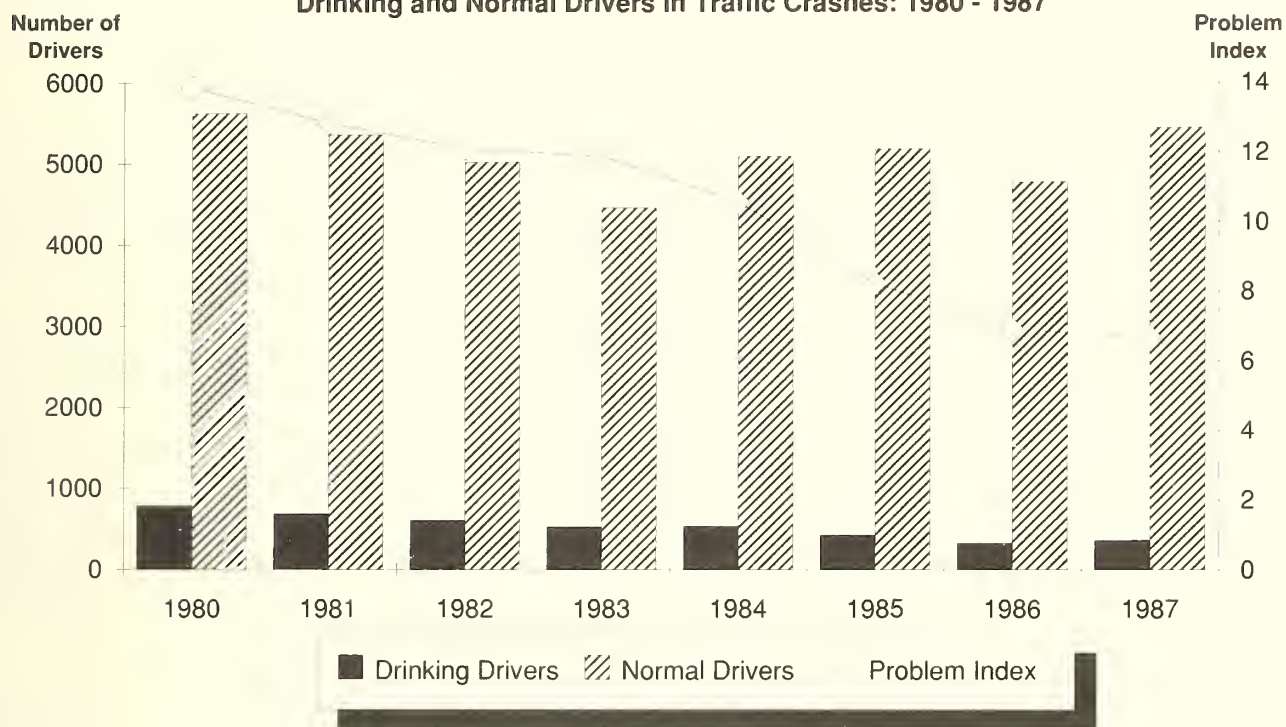
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	206	146	352	2674	212	139	351	1549	4	20	24	26	422	305	727	4249
1981	198	105	303	2571	184	112	296	1368	6	13	19	35	388	230	618	3974
1982	161	122	283	2462	166	89	255	1207	2	9	11	16	329	220	549	3685
1983	133	85	218	1997	132	100	232	1160	6	15	21	18	271	200	471	3175
1984	141	81	222	2295	139	115	254	1343	3	11	14	30	283	207	490	3668
1985	92	60	152	2204	125	83	208	1478	8	7	15	28	225	150	375	3710
1986	71	44	115	1934	88	71	159	1400	6	8	14	28	165	123	288	3362
1987	74	57	131	2174	100	78	178	1573	4	8	12	18	178	143	321	3765
Female																
1980	11	11	22	835	19	11	30	531	0	0	0	7	30	22	52	1373
1981	22	10	32	856	19	17	36	519	1	1	2	8	42	28	70	1383
1982	21	5	26	830	27	5	32	498	0	1	1	6	48	11	59	1334
1983	16	9	25	739	19	14	33	535	0	0	0	6	35	23	58	1280
1984	18	4	22	826	18	6	24	588	1	0	1	5	37	10	47	1419
1985	14	5	19	809	19	13	32	651	0	0	0	8	33	18	51	1468
1986	14	5	19	771	16	6	22	634	0	0	0	4	30	11	41	1409
1987	9	3	12	930	20	8	28	737	1	1	2	10	30	12	42	1677
Total																
1980	217	157	374	3509	231	150	381	2080	4	20	24	33	452	327	779	5622
1981	220	115	335	3427	203	129	332	1887	7	14	21	43	430	258	688	5357
1982	182	127	309	3292	193	94	287	1705	2	10	12	22	377	231	608	5019
1983	149	94	243	2736	151	114	265	1695	6	15	21	24	306	223	529	4455
1984	159	85	244	3121	157	121	278	1931	4	11	15	35	320	217	537	5087
1985	106	65	171	3013	144	96	240	2129	8	7	15	36	258	168	426	5178
1986	85	49	134	2705	104	77	181	2034	6	8	14	32	195	134	329	4771
1987	83	60	143	3104	120	86	206	2310	5	9	14	28	208	155	363	5442

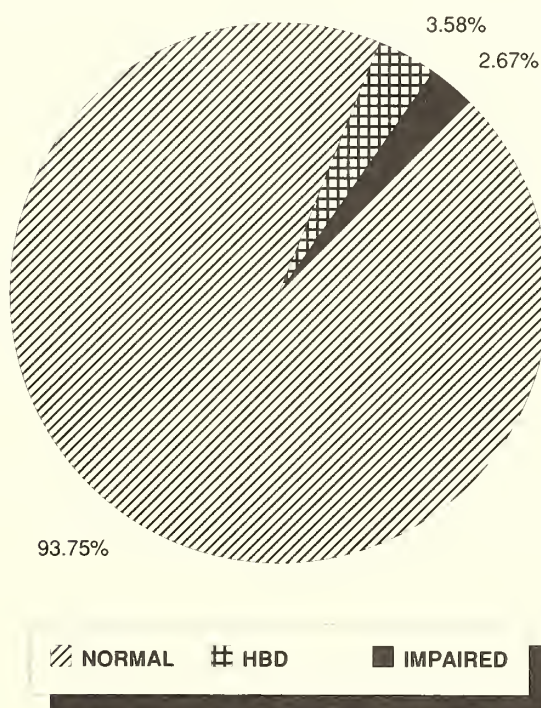
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SUDBURY DISTRICT & REGIONAL MUNICIPALITY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



THUNDER BAY

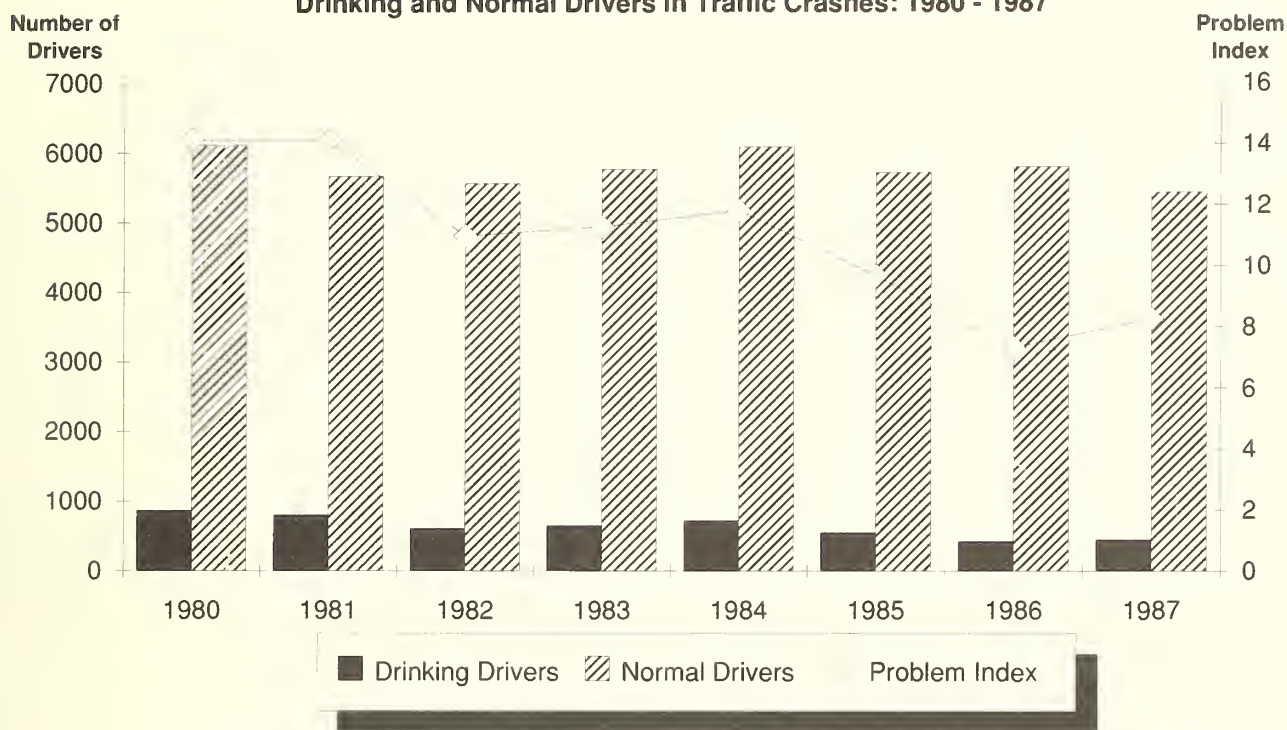
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	245	186	431	3279	208	122	330	1238	8	10	18	35	461	318	779	4552
1981	257	152	409	2940	178	115	293	1218	4	9	13	22	439	276	715	4180
1982	166	129	295	2985	141	106	247	1088	5	5	10	9	312	240	552	4082
1983	184	127	311	2887	139	111	250	1158	5	9	14	25	328	247	575	4070
1984	186	147	333	2983	163	121	284	1288	5	7	12	20	354	275	629	4291
1985	159	109	268	2744	125	88	213	1222	3	8	11	20	287	205	492	3986
1986	97	87	184	2561	92	81	173	1400	4	7	11	22	193	175	368	3983
1987	112	79	191	2376	96	94	190	1322	1	4	5	18	209	177	386	3716
Female																
1980	30	8	38	1088	35	11	46	464	0	1	1	6	65	20	85	1558
1981	20	19	39	1003	29	16	45	472	0	0	0	4	49	35	84	1479
1982	18	14	32	1009	16	9	25	461	1	0	1	2	35	23	58	1472
1983	24	9	33	1144	28	13	41	541	0	1	1	5	52	23	75	1690
1984	22	24	46	1226	28	14	42	556	1	0	1	4	51	38	89	1786
1985	21	17	38	1156	17	5	22	561	0	0	0	4	38	22	60	1721
1986	12	10	22	1171	21	12	33	633	0	1	1	6	33	23	56	1810
1987	13	13	26	1024	17	19	36	681	0	0	0	4	30	32	62	1709
Total																
1980	275	194	469	4367	243	133	376	1702	8	11	19	41	526	338	864	6110
1981	277	171	448	3943	207	131	338	1690	4	9	13	26	488	311	799	5659
1982	184	143	327	3994	157	115	272	1549	6	5	11	11	347	263	610	5554
1983	208	136	344	4031	167	124	291	1699	5	10	15	30	380	270	650	5760
1984	208	171	379	4209	191	135	326	1844	6	7	13	24	405	313	718	6077
1985	180	126	306	3900	142	93	235	1783	3	8	11	24	325	227	552	5707
1986	109	97	206	3732	113	93	206	2033	4	8	12	28	226	198	424	5793
1987	125	92	217	3400	113	113	226	2003	1	4	5	22	239	209	448	5425

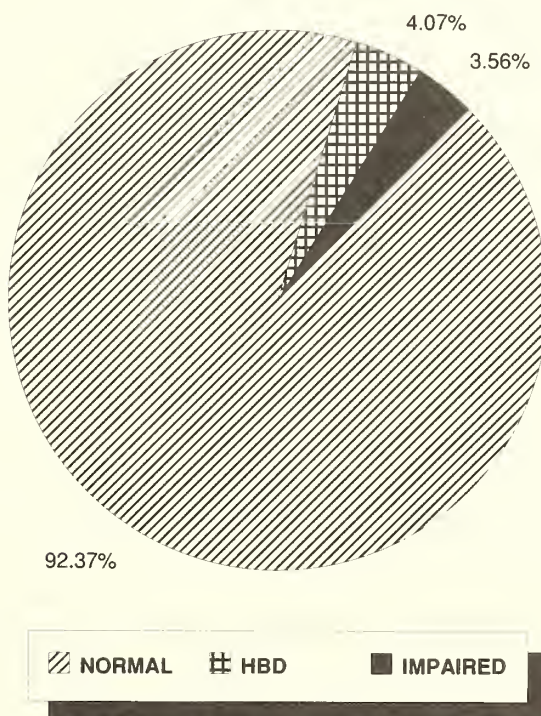
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THUNDER BAY

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



TIMISKAMING

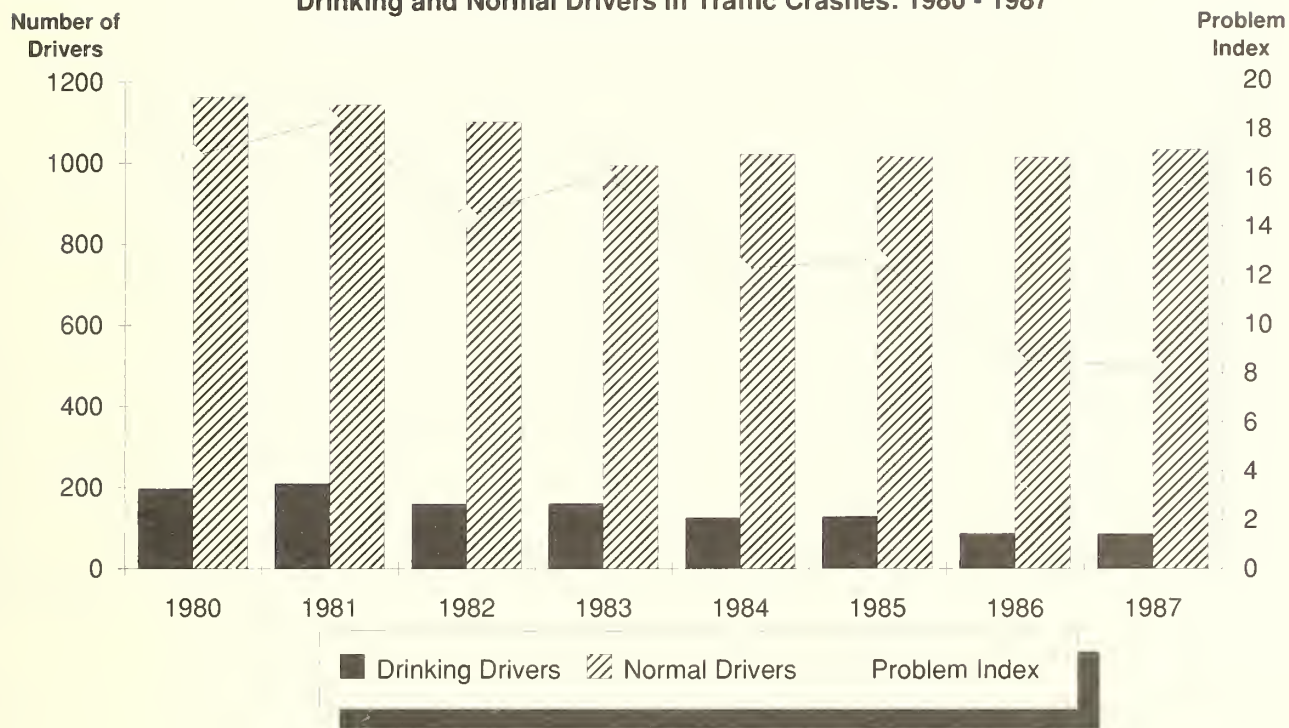
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	76	23	99	654	53	21	74	245	2	7	9	11	131	51	182	910
1981	59	37	96	610	66	25	91	262	2	3	5	10	127	65	192	882
1982	54	18	72	604	48	14	62	245	2	5	7	9	104	37	141	858
1983	59	28	87	505	48	12	60	237	0	3	3	4	107	43	150	746
1984	49	15	64	541	35	12	47	212	1	1	2	3	85	28	113	756
1985	39	17	56	504	47	15	62	263	1	0	1	5	87	32	119	772
1986	23	12	35	496	32	8	40	227	0	5	5	11	55	25	80	734
1987	21	13	34	490	23	15	38	259	1	0	1	8	45	28	73	757
Female																
1980	8	1	9	163	4	2	6	87	0	0	0	2	12	3	15	252
1981	11	3	14	160	3	0	3	98	0	1	1	2	14	4	18	260
1982	1	2	3	166	10	4	14	71	0	1	1	4	11	7	18	241
1983	3	0	3	172	2	3	5	71	0	2	2	2	5	5	10	245
1984	3	3	6	178	4	2	6	83	0	0	0	1	7	5	12	262
1985	3	1	4	160	5	0	5	79	0	0	0	0	8	1	9	239
1986	3	1	4	162	1	1	2	113	0	0	0	0	4	2	6	275
1987	1	1	2	181	5	4	9	89	1	0	1	1	7	5	12	271
Total																
1980	84	24	108	817	57	23	80	332	2	7	9	13	143	54	197	1162
1981	70	40	110	770	69	25	94	360	2	4	6	12	141	69	210	1142
1982	55	20	75	770	58	18	76	316	2	6	8	13	115	44	159	1099
1983	62	28	90	677	50	15	65	308	0	5	5	6	112	48	160	991
1984	52	18	70	719	39	14	53	295	1	1	2	4	92	33	125	1018
1985	42	18	60	664	52	15	67	342	1	0	1	5	95	33	128	1011
1986	26	13	39	658	33	9	42	340	0	5	5	11	59	27	86	1009
1987	22	14	36	671	28	19	47	348	2	0	2	9	52	33	85	1028

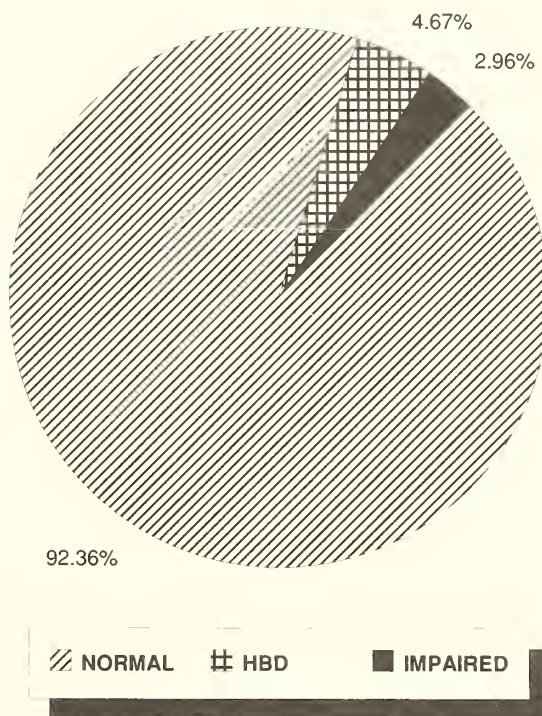
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TIMISKAMING

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



METROPOLITAN TORONTO & YORK REGION

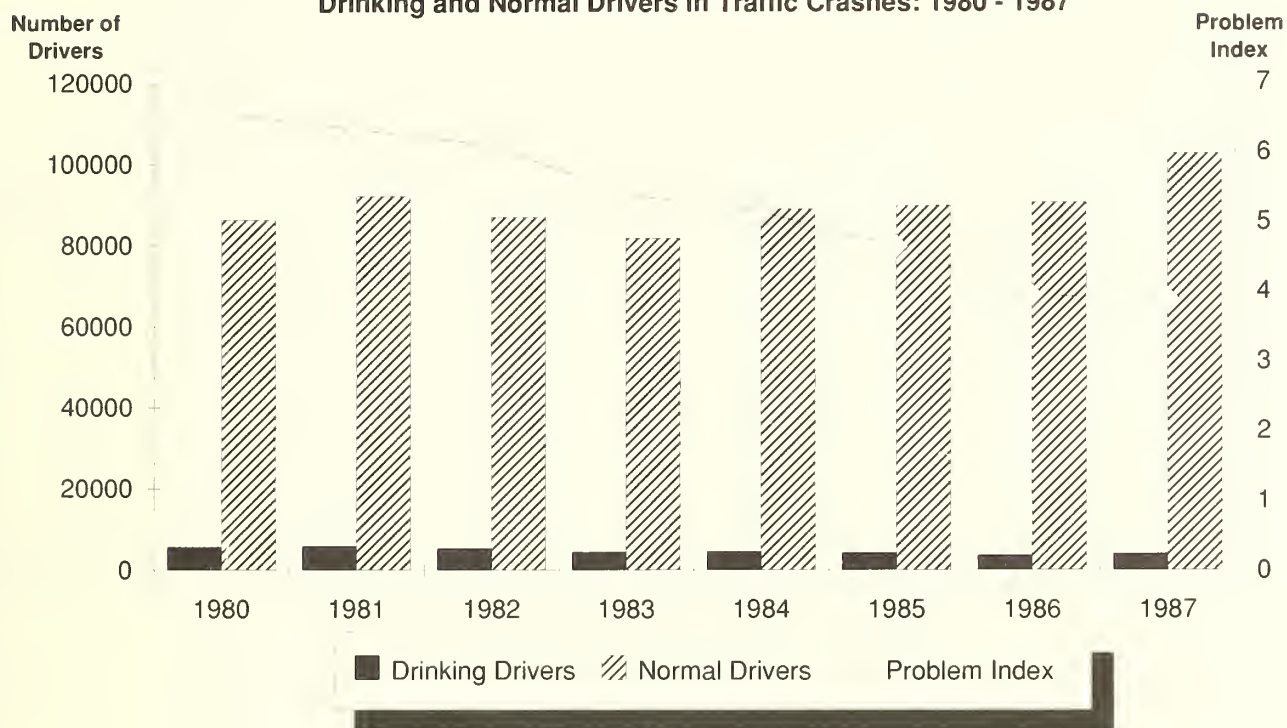
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	1518	1236	2754	43566	1171	1161	2332	23004	22	32	54	151	2711	2429	5140	66721
1981	1572	1280	2852	46696	1188	1155	2343	24316	14	25	39	132	2774	2460	5234	71144
1982	1449	1110	2559	43796	1106	1068	2174	22988	22	23	45	122	2577	2201	4778	66906
1983	1186	894	2080	39796	944	885	1829	21912	17	30	47	114	2147	1809	3956	61822
1984	1241	935	2176	42777	971	918	1889	24226	16	32	48	125	2228	1885	4113	67128
1985	906	753	1659	38373	1047	968	2015	28740	11	33	44	142	1964	1754	3718	67255
1986	801	648	1449	38018	876	853	1729	29295	16	21	37	123	1693	1522	3215	67436
1987	888	656	1544	42702	976	998	1974	33137	14	22	36	155	1878	1676	3554	75994
Female																
1980	144	107	251	12313	161	114	275	7217	1	3	4	48	306	224	530	19578
1981	158	112	270	13189	184	137	321	7703	2	2	4	24	344	251	595	20916
1982	138	97	235	12671	161	114	275	7213	3	4	7	27	302	215	517	19911
1983	129	88	217	12207	124	100	224	7509	0	1	1	27	253	189	442	19743
1984	120	101	221	13356	120	99	219	8209	1	1	2	29	241	201	442	21594
1985	105	82	187	12103	139	107	246	10149	4	2	6	31	248	191	439	22283
1986	89	72	161	12271	94	80	174	10652	0	5	5	24	183	157	340	22947
1987	102	78	180	14143	141	106	247	12221	2	2	4	38	245	186	431	26402
Total																
1980	1662	1343	3005	55879	1332	1275	2607	30221	23	35	58	199	3017	2653	5670	86299
1981	1730	1392	3122	59885	1372	1292	2664	32019	16	27	43	156	3118	2711	5829	92060
1982	1587	1207	2794	56467	1267	1182	2449	30201	25	27	52	149	2879	2416	5295	86817
1983	1315	982	2297	52003	1068	985	2053	29421	17	31	48	141	2400	1998	4398	81565
1984	1361	1036	2397	56133	1091	1017	2108	32435	17	33	50	154	2469	2086	4555	88722
1985	1011	835	1846	50476	1186	1075	2261	38889	15	35	50	173	2212	1945	4157	89538
1986	890	720	1610	50289	970	933	1903	39947	16	26	42	147	1876	1679	3555	90383
1987	990	734	1724	56845	1117	1104	2221	45358	16	24	40	193	2123	1862	3985	102396

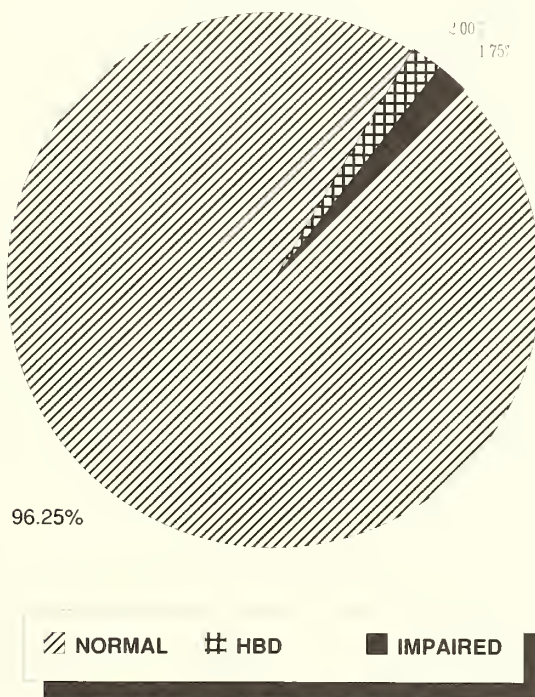
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METROPOLITAN TORONTO & YORK REGION

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



VICTORIA

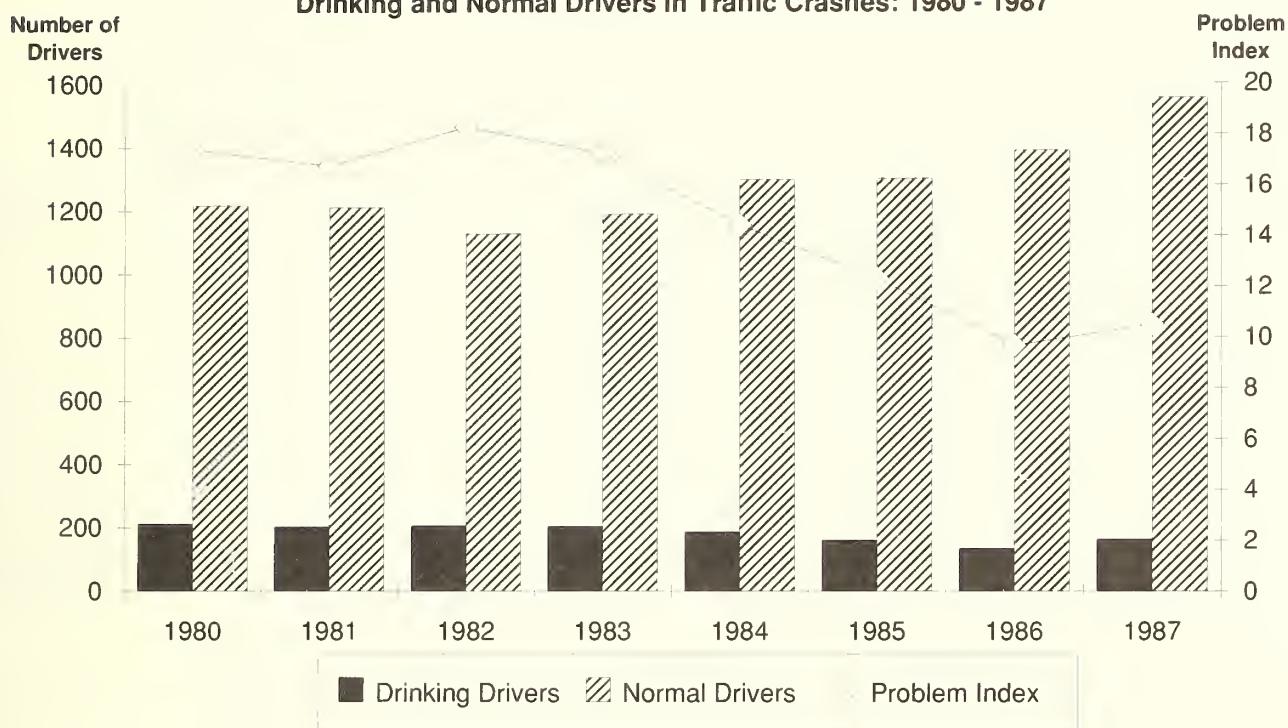
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	64	29	93	564	81	17	98	316	2	2	4	6	147	48	195	886
1981	70	24	94	552	71	18	89	294	4	2	6	7	145	44	189	853
1982	57	22	79	511	80	21	101	290	2	3	5	8	139	46	185	809
1983	51	20	71	523	81	28	109	275	0	4	4	7	132	52	184	805
1984	51	24	75	603	66	19	85	282	5	3	8	6	122	46	168	891
1985	46	21	67	584	53	15	68	343	2	3	5	9	101	39	140	936
1986	26	16	42	615	47	21	68	367	2	5	7	12	75	42	117	994
1987	41	23	64	611	61	14	75	420	3	1	4	4	105	38	143	1035
Female																
1980	8	1	9	207	7	1	8	121	0	0	0	3	15	2	17	331
1981	4	2	6	210	6	2	8	145	0	0	0	2	10	4	14	357
1982	5	1	6	186	9	2	11	129	0	4	4	2	14	7	21	317
1983	7	4	11	231	7	3	10	151	0	0	0	1	14	7	21	383
1984	4	4	8	245	10	0	10	158	0	1	1	3	14	5	19	406
1985	6	1	7	204	9	4	13	156	0	0	0	4	15	5	20	364
1986	5	3	8	240	6	3	9	154	0	0	0	0	11	6	17	394
1987	5	2	7	313	8	4	12	204	0	1	1	2	13	7	20	519
Total																
1980	72	30	102	771	88	18	106	437	2	2	4	9	162	50	212	1217
1981	74	26	100	762	77	20	97	439	4	2	6	9	155	48	203	1210
1982	62	23	85	697	89	23	112	419	2	7	9	10	153	53	206	1126
1983	58	24	82	754	88	31	119	426	0	4	4	8	146	59	205	1188
1984	55	28	83	848	76	19	95	440	5	4	9	9	136	51	187	1297
1985	52	22	74	788	62	19	81	499	2	3	5	13	116	44	160	1300
1986	31	19	50	855	53	24	77	521	2	5	7	12	86	48	134	1388
1987	46	25	71	924	69	18	87	624	3	2	5	6	118	45	163	1554

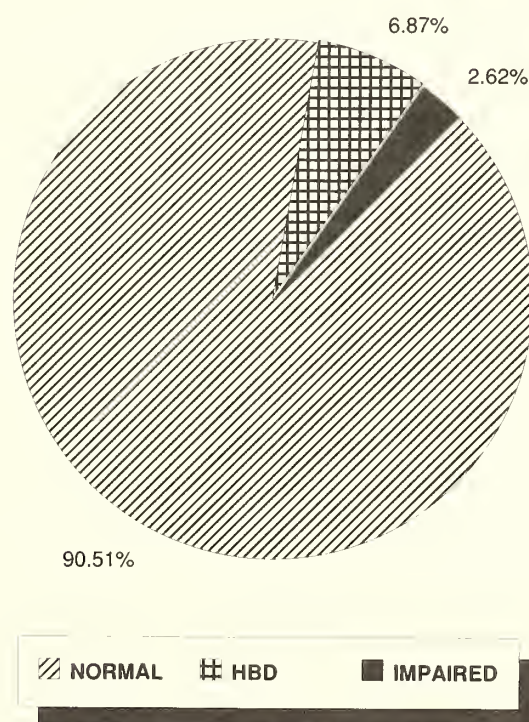
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VICTORIA

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



WATERLOO

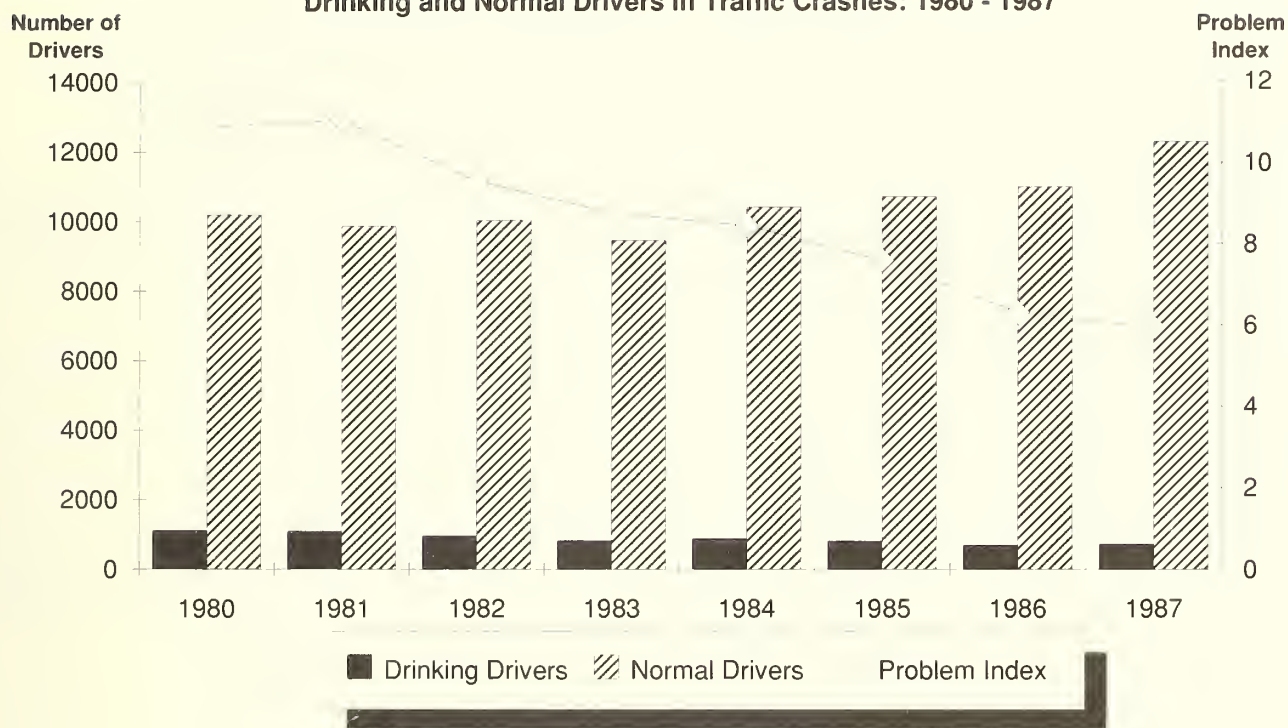
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	345	194	539	4996	265	182	447	2341	7	12	19	21	617	388	1005	7358
1981	343	190	533	4896	242	202	444	2076	6	7	13	29	591	399	990	7001
1982	298	168	466	4992	223	154	377	2047	8	7	15	21	529	329	858	7060
1983	221	159	380	4489	194	146	340	2035	4	9	13	23	419	314	733	6547
1984	232	151	383	4857	211	172	383	2319	9	5	14	16	452	328	780	7192
1985	192	146	338	4521	216	158	374	2788	5	12	17	21	413	316	729	7330
1986	179	113	292	4595	171	163	334	2893	4	6	10	20	354	282	636	7508
1987	172	123	295	5062	184	169	353	3252	4	7	11	33	360	299	659	8347
Female																
1980	39	19	58	1849	32	14	46	967	1	0	1	10	72	33	105	2826
1981	47	10	57	1940	28	15	43	912	0	0	0	3	75	25	100	2855
1982	39	12	51	2062	31	16	47	886	0	1	1	6	70	29	99	2954
1983	31	21	52	1902	29	14	43	982	0	0	0	7	60	35	95	2891
1984	40	13	53	2143	30	16	46	1053	0	0	0	4	70	29	99	3200
1985	17	15	32	2046	28	23	51	1305	0	0	0	6	45	38	83	3357
1986	17	7	24	2056	15	17	32	1389	0	0	0	6	32	24	56	3451
1987	18	14	32	2297	24	13	37	1610	0	1	1	6	42	28	70	3913
Total																
1980	384	213	597	6845	297	196	493	3308	8	12	20	31	689	421	1110	10184
1981	390	200	590	6836	270	217	487	2988	6	7	13	32	666	424	1090	9856
1982	337	180	517	7054	254	170	424	2933	8	8	16	27	599	358	957	10014
1983	252	180	432	6391	223	160	383	3017	4	9	13	30	479	349	828	9438
1984	272	164	436	7000	241	188	429	3372	9	5	14	20	522	357	879	10392
1985	209	161	370	6567	244	181	425	4093	5	12	17	27	458	354	812	10687
1986	196	120	316	6651	186	180	366	4282	4	6	10	26	386	306	692	10959
1987	190	137	327	7359	208	182	390	4862	4	8	12	39	402	327	729	12260

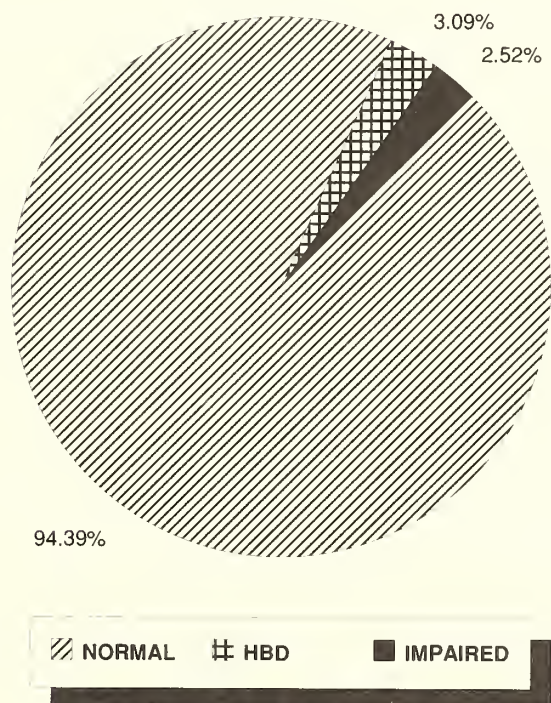
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WATERLOO

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



WELLINGTON

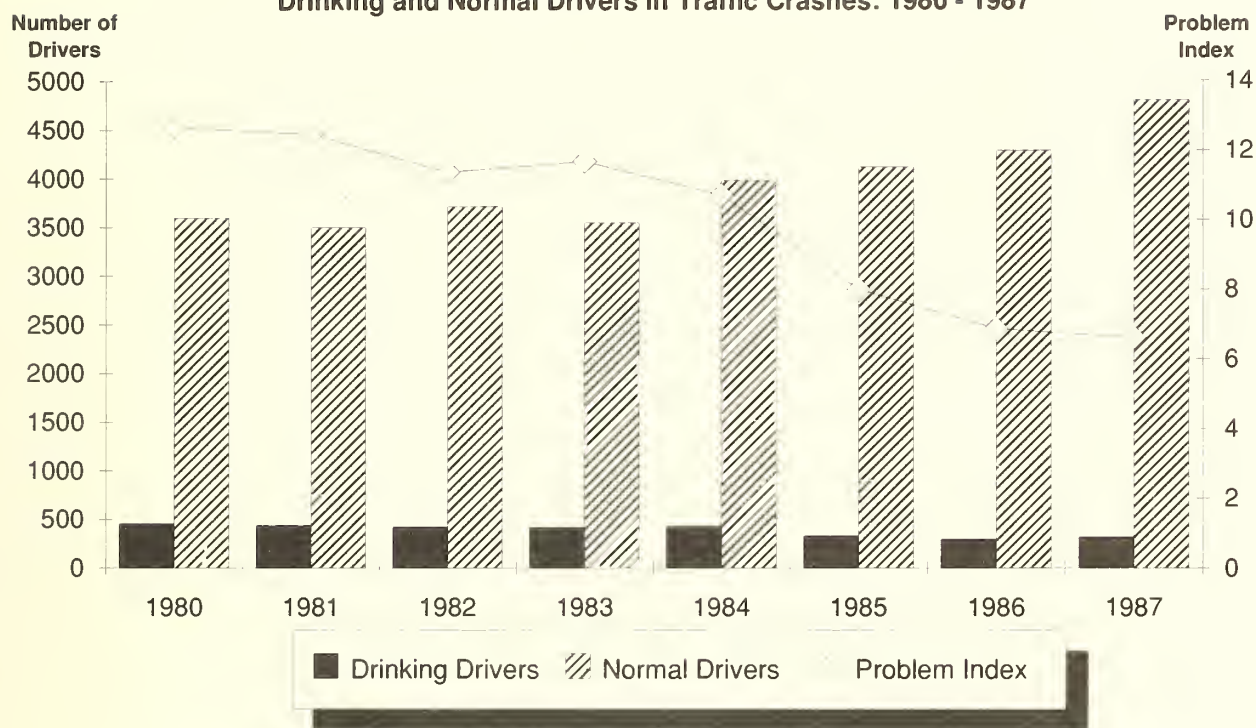
Drivers Involved in Traffic Crashes, 1980 - 1987

Year & Sex	Property Damage				Personal Injury				Fatal				Total			
	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR	HBD	IMP	D/D	NOR
Male																
1980	160	69	229	1730	120	63	183	851	11	5	16	16	291	137	428	2597
1981	136	52	188	1586	138	52	190	894	5	6	11	19	279	110	389	2499
1982	136	54	190	1663	132	55	187	962	5	6	11	19	273	115	388	2644
1983	128	51	179	1577	132	48	180	890	6	4	10	24	266	103	369	2491
1984	127	60	187	1841	116	58	174	941	6	6	12	19	249	124	373	2801
1985	72	44	116	1659	118	48	166	1181	3	8	11	26	193	100	293	2866
1986	95	28	123	1705	88	36	124	1257	2	4	6	16	185	68	253	2978
1987	80	36	116	1869	105	51	156	1454	5	8	13	16	190	95	285	3339
Female																
1980	12	5	17	631	9	2	11	365	0	0	0	2	21	7	28	998
1981	16	7	23	634	20	2	22	361	2	0	2	2	38	9	47	997
1982	14	3	17	664	13	3	16	397	1	0	1	5	28	6	34	1066
1983	11	6	17	662	20	6	26	386	2	0	2	4	33	12	45	1052
1984	25	5	30	743	14	9	23	426	0	0	0	7	39	14	53	1176
1985	7	7	14	719	12	8	20	518	1	1	2	10	20	16	36	1247
1986	10	2	12	693	21	6	27	604	1	1	2	6	32	9	41	1303
1987	8	4	12	761	16	3	19	690	0	1	1	8	24	8	32	1459
Total																
1980	172	74	246	2361	129	65	194	1216	11	5	16	18	312	144	456	3595
1981	152	59	211	2220	158	54	212	1255	7	6	13	21	317	119	436	3496
1982	150	57	207	2327	145	58	203	1359	6	6	12	24	301	121	422	3710
1983	139	57	196	2239	152	54	206	1276	8	4	12	28	299	115	414	3543
1984	152	65	217	2584	130	67	197	1367	6	6	12	26	288	138	426	3977
1985	79	51	130	2378	130	56	186	1699	4	9	13	36	213	116	329	4113
1986	105	30	135	2398	109	42	151	1861	3	5	8	22	217	77	294	4281
1987	88	40	128	2630	121	54	175	2144	5	9	14	24	214	103	317	4798

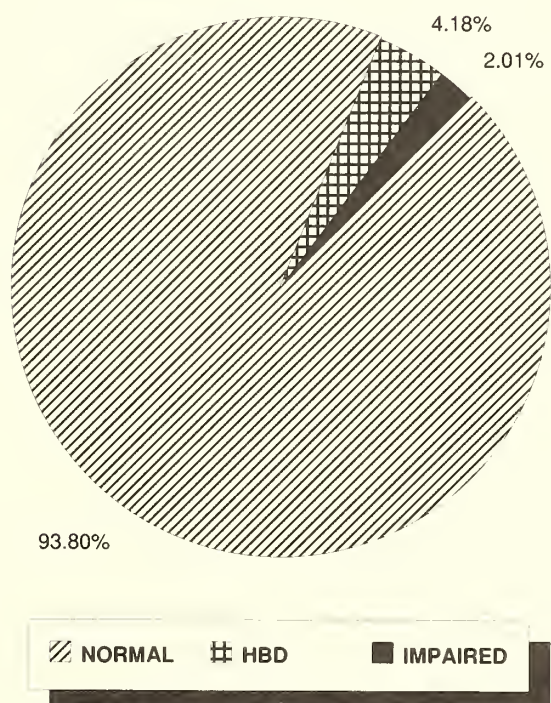
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WELLINGTON

Drinking and Normal Drivers in Traffic Crashes: 1980 - 1987



Condition of Drivers Involved in Traffic Crashes: 1987



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